











EDMO Distributors

PRODUCT CATALOG

"The Most Useful Tool in the Box"

EDMO Distributors, Inc.
12830 E. Mirabeau Parkway
Spokane Valley, WA 99216

phone: 800.235.3300 | 509.535.8280
fax: 800.828.0623 | 509.535.8266
visit us: www.edmo.com

About EDMO

From the company's inception in 1971, the underlying principles driving the business emphasized quality products and exceptional service. 50 years later, EDMO maintains that vision while representing more than 300 manufacturers and serving commercial, corporate, military, and general aviation customers in the fixed-wing and rotor markets.

EDMO's core values define the company's culture of dazzling its customers, remaining positive, taking ownership, doing the right thing, and insisting on the higher standard—all while enjoying the ride. This focus creates an environment where the team is able to build lasting value for both customers and vendors by nurturing customer relationships, developing innovative services, and delivering top-quality products and service.

EDMO has developed robust relationships with the aviation industry's most trusted brands by connecting them to the right customers. EDMO carries a comprehensive range of products including aircraft electronics, installation and bench supplies, wire and cable, tooling, test equipment, tactical communication solutions, pilot supplies, and ground support equipment.

EDMO's customer service doesn't stop with big selection and quick-turnaround times. EDMO also offers valuable in-house services that help EDMO customers save time and money. These services include custom wire and cable services (both laser wire marking and cutting), ELT and PLB programming, and custom legend and placard design.

EDMO is committed to providing products and customer service of the highest quality; for that reason, EDMO maintains an ISO 9001/AS9120 registered quality control system. The company will always stand by its motto; "Quality and Excellence, Whatever it Takes". That's the EDMO way!

Visit us online at edmo.com or speak to our friendly customer service and sales staff at 800.235.3300.





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THE EDMO WAY

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CONNECTORS

BNC CONNECTORS

EDMO#	MFR#	TYPE/MOUNT	BODY FINISH/ CONTACT	COMPATIBLE CABLE	
STRAIGHT CRIMP					
31-315	031-315	Male plug	Nickel/gold	188	 male dual crimp
31-320	031-320	Male plug	Nickel/gold	58, 141, 303	
31-320RFX	031-320-RFX	Male plug	Nickel/gold	58, 142, 400	
RFB1106-I	RFB-1106-I	Male	Nickel/gold	9913, LMR400	
2-330358-2	2-330358-2	Male plug	Silver/gold	142, 142A, 142B	
2-331350-1	2-331350-1	Male plug	Silver/gold	58, 58A, 58B, 58C	
5225395-1	5225395-1	Male plug dual	Nickel/gold	58, 58A, 58B, 58C	
5225395-2	5225395-2	Male plug dual	Nickel/gold	59, 59A, 59B, 62, 62A, 62B	 female crimp
5225395-3	5225395-3	Male plug dual	Nickel/gold	55, 55A, 55B, 223	
5225395-6	5225395-6	Male plug	Nickel/gold	142, 142A, 142B	
36800-RFX	000-36800-RFX	Female jack	Nickel/gold	58	
5225396-1	5225396-1	Female jack dual	Nickel/gold	58, 58A, 58B, 58C	
5225396-2	5225396-2	Female jack dual	Nickel/gold	59, 59A, 59B,	
4240-125	4240-125	Quick change female	Nickel plated	–	
5225398-1	5225398-1	Female jack / bulkhead	Nickel/gold	58, 58A, 58B, 58C	 female bulkhead
225397-1	225397-1	Female jack	Nickel/gold	58, 58A, 58B, 58C	
225395-1	225395-1	Plug	Brass/Nickel	58, 58A, 58B, 58C	
112133	112133	Male plug	Nickel/gold	RG-161, RG-179, RG-187, Belden 179DT, Belden 1520A, Belden 1521A, Belden 1522A, Belden 9221	
TPI-3002	TPI-3002	BNC male adapter	Silver	–	
RIGHT ANGLE CRIMP					
31-335-RFX	031-335-RFX	Male plug	Nickel/gold	58, 141	 male right angle
31-334	031-334	Male plug	Nickel/gold	55, 142, 223, 400	
RFB1110-C1	R/FRFB1110-C1	Male dual	Nickel/gold	142, 400	
225974-1	225974-1	Male plug	Nickel/gold	58, 58A, 58B, 58C	
PE4345	PE4345	Male plug	Gold/brass	RG55, RG141, RG142, RG223, RG400	
PE4092	PE4092	Male plug	Gold/brass	PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402	
CRIMP/SOLDER					
PE4044	PE4044	Male	Nickel/gold	55, 141, 142, 223, 400	 male crimp/solder
PE4209	PE4209	Female / bulkhead	Nickel/gold	55, 141, 142, 223, 400	
PE4397	PE4397	Female	Nickel/gold	55, 141, 142, 223, 400	
SOLDER					
31-2	031-2	Male plug clamp	Nickel/silver	58, 141, 303, LMR195, 7806A	 male solder
31-2RFX	031-2RFX	Male plug clamp	Nickel/gold	58, 141, 142, 400	
PE4716	PE4716	Male plug	Gold/brass	RG303, RG141, PE-C195, PE-P195, LMR-195	
PE4727	PE4727	Male right angle clamp	Nickel/gold	213, 214, 8, 9, 225, 393, 215	
RBD50-S-00	RBD-50-S-00	Male plug	Nickel/gold	174, 178, 188, 196, 316	 female solder
RBD50-M-00	RBD-50-M-00	Plug	Nickel/brass	RG 58, RG 141, RG 142, RG 303, RG 400	
RBD50-M-03	RBD-50-M-03	Female jack	Nickel/gold	58, 141, 142, 303, 400	
31-5	031-5	Female jack clamp	Nickel/silver	58, 141, 303, LMR195, 7806A	

**More options available. See edmo.com for more info.*

BNC ACCESSORIES

BNC TRAY ADAPTER W/SNAP RING

EDMO# DBA-600
MFR# DBA-600

The DBA-600 BNC tray connector can be used in place of a solder-type tray connector. Fits Bendix/ King Silvercrown and other trays that also use the solder type connector.

- Nickel body and gold-plated center conductor



TRAY MOUNT RF CONNECTOR

Blind, self-centering connector used when mounting an antenna in a panel without rear access. The 9-30-10 aligns and centers itself with its mating connector as the box is pushed into the panel for a hands-free blind mating.

- Use with snap ring EDMO# 310043STZD.



EDMO#	MFR#	DESCRIPTION
9-30-10	9-30-10	Tray mount RF antenna connect
310043STZD	SH0043PKRM	Snap ring for 9-30-10

TNC CONNECTORS

EDMO#	MFR#	TYPE/MOUNT	BODY FINISH/ CONTACT	COMPATIBLE CABLE
STRAIGHT CRIMP				
PE4047	PE4047	Male dual	Nickel/gold	55, 141, 142, 223, 400
RFT1202-C1	R/FRFT1202-C1	Male	Nickel/gold	142, 223, 400
RFT1202-I	RFT1202-I	Male	Nickel/gold	LMR400, 9913
1-225550-3	1-225550-3	Male plug	Silver/gold	393
225550-6	225550-6	Male plug dual	Silver/gold	142, 400
225555-2	225555-2	Male plug	Nickel/gold	58A, 58B
225555-6	225555-6	Male plug	Nickel/gold	142, 142A, 142B
225555-7	225555-7	Male plug	Nickel/gold	RG 8, RG 213, RG 8A
31-2367	AMP31-2367	Male plug dual	Nickel/gold	58, 58A, 58B, 58C, 141, 303, LMR195
5222506-1	5222506-1	Male plug hex	Nickel/gold	58, 58A,58B, 58C
5225555-8	5225555-8	Male plug dual	Nickel/gold	214
RFT1212	R/FRFT1212	Female / bulkhead	Nickel/gold	58, LMR195
RFT1216-1	RFT1216-1	Female	Nickel/gold	58, 400
RFT1216-C1	R/FRFT1216-C1	Female	Nickel/gold	142
225551-2	225551-2	Female jack dual	Silver/gold	58A, 58C
5-10-43-2	5-10-43-2	Male plug		RG-393
RIGHT ANGLE CRIMP				
1-225554-1	1 2255541	Male plug	Silver/gold	393
RFT1218	R/FRFT1218	Male dual	Nickel/gold	58, LMR195
RFT1218-C1	RFT-1218-C1	Male dual	Nickel/gold	142, 223, 400
RTD50-M-01	593035-000	Male	Nickel/gold	58, 141, 142, 303, 400
5225554-9	5225554-9	Male plug dual	Nickel/gold	9, 9A, 214
414173-3	414173-3	Male plug dual	Nickel/gold	174, 174A, 188, 188A, 316
PE4677	PE4677	Male plug	Gold/brass	RG55, RG141, RG142, RG223, RG400
5-30-102-1	5-30-102-1	Male plug	–	–
CRIMP/SOLDER				
PE4447	PE4447	Male	Nickel/gold	9, 214, 225, 393
PE4664	PE4664	Male reverse polarity	Nickel/gold	58
PE4153	PE4153	Female / bulkhead	Nickel/gold	55, 141, 142, 223, 400
PE4457	PE4457	Female	Nickel/gold	55, 141, 142, 223, 400
STRAIGHT SOLDER				
PE4088	PE4088	Male clamp	Nickel/gold	8, 9, 11, 144, 213, 214, 215, 216, 225, 393



male dual crimp



female dual crimp



male right angle



female crimp/solder



male clamp & solder

**More options available. See edmo.com for more info.*

EDMO#	MFR#	TYPE/MOUNT	BODY FINISH/ CONTACT	COMPATIBLE CABLE	
RTD50-M-00	RTD-50-M-00	Male plug	Nickel/gold	58, 141, 142, 303, 400	 male solder
RIGHT ANGLE SOLDER					
PE4146	PE4146	Male clamp	Nickel/gold	8, 9, 11, 144, 213, 214, 215, 216, 225, 393	 male right angle solder screw
79075	79075	Male plug clamp	Nickel/silver	58, 141, 142, 400	
RF TERMINATOR					
PE6089	PE6089	Male	Stainless steel/gold	–	 RF terminator male
DUST CAPS					
PE6134	PE6134	TNC male	Nickel/brass	–	 TNC male

More options available. See edmo.com for more info.

N CONNECTORS

EDMO#	MFR#	TYPE	BODY FINISH/ CONTACT	COMPATIBLE CABLE	
CRIMP					
PE4042	PE4042	Male dual	Nickel/silver	55, 141, 142, 223, 400	 male crimp  female crimp
RFN10053C1	R/FRFN1005-3C1	Male dual	Silver/gold	142, 400	
RFN1006-3I	R/FRFN1006-3I	Male dual	Silver/gold	9913, LMR400	
1-225661-2	1-225661-2	Male plug	Nickel/gold	58A, 58C	
5225699-1	5225699-1	Male plug	Nickel/gold	142, 142A, 142B	
RFN1028-SI	RFN1028-SI	Female	Silver/gold	9913, LMR400	
RIGHT ANGLE CRIMP					
RFN1009-C1	R/FRFN1009-C1	Male	Silver/gold	142, 223	 male right angle crimp
RFN1009-I	R/FRFN1009-I	Male	Bronze/gold	RG-8/U Type, LMR-400 & Belden 9913, Cable Group I	
CRIMP/SOLDER					
PE4477	PE4477	Male	Nickel/gold/ptfe	55, 141, 142, 223, 400	 male crimp/solder
PE4191	PE4191	Female	Nickel/gold/ptfe	9, 214, 225, 393	
PE4081	PE4081	Male	Gold/brass	RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195	
RIGHT ANGLE CRIMP/SOLDER					
PE4483	PE4483	Male	Nickel/gold	9, 214, 225, 393	 male right angle crimp/solder
PE4484	PE4484	Male	Nickel/gold	55, 141, 142, 223, 400	

More options available. See edmo.com for more info.

SMA CONNECTORS

EDMO#	MFR#	TYPE	BODY FINISH/ CONTACT	COMPATIBLE CABLE	
CRIMP					
225532-3	225532-3	Male plug dual	Stainless steel/gold	Belden 84142, 142, 142A, 142B, 400	 male crimp
225532-4	225532-4	Male plug	Stainless steel/gold	RG 188A, RG 188, RG 174, RG 316	
RSA3000-I	RSA3000-I	Male	Nickel/gold	9913, LMR400	
RSA3010-C	RSA3010-C	Male	Nickel/brass	RG58	
RIGHT ANGLE CRIMP					
RSA3010-C1	R/FRSA3010-C1	Male	Nickel/gold	142, 400	 male right angle crimp
PE4405	PE4405	Male	Gold/brass	RG58, RG303, RG141, PE-C195, PE-P195, LMR-195	
PE4002	PE4002		Gold/brass	RG55, RG142, RG223, RG400, and RG141	
CRIMP/SOLDER					
PE4008	PE4008	Male	Nickel/gold	55, 141, 142, 223, 400	 male crimp/solder
PE4530	PE4530	Female bulkhead	Gold/beryllium	–	
DUST CAPS					
PE6007	PE6007	SMA Female	Nickel	–	 SMA Female

**More options available. See edmo.com for more info.*

UHF CONNECTORS

EDMO#	MFR#	TYPE	BODY FINISH/ CONTACT	COMPATIBLE CABLE	
CRIMP					
RFU507-SI	R/FRFU507-SI	Male dual	Silver/silver	9913, LMR400	 male dual crimp
RFU600-1	RFU600-1	Mini UHF	Gold	RG58/U, RG58A/U, RG141, and Ultralink cables	
226279-1	226279-1	Male plug single	Nickel/tin	58/58A/ 58B, 58C	
CRIMP/SOLDER					
PE44053	PE44053	Male	Nickel/gold	55, 141,152,223,400	 male dual crimp  male single crimp

**More options available. See edmo.com for more info.*

CRIMP TOOLS FOR BNC, TNC, N, SMA, & UHF CONNECTORS

EDMO#	MFR#	TOOL	EDMO#	MFR#	DIE
BNC					
HX4	HX4		Y197	Y197	

For more information on these crimp tools, check out the Tools section (chapter 5). Parts not shown to scale.

EDMO#	MFR#	TOOL	EDMO#	MFR#	DIE
AF8	AF8		TH270	TH270	
354940-1	3549401		220189-3	220189-3	
TNC, SMA, & UHF					
354940-1	3549401		220189-3 91908-1	220189-3 919081	 220189-3 (TNC)  91908-1 (SMA & UHF)
N					
58501-1	58501-1		58485-1	58485-1	

For more information on these crimp tools, check out the Tools section (chapter 5). Parts not shown to scale.

MS CIRCULAR CONNECTORS

MS circular connectors meet the performance requirements of MIL-DTL-5015 specifications while providing cost-effective, well-proven electrical capabilities in critical equipment. MIL-DTL-5051 spec connectors feature threaded couplings and single key/keyway polarization to simplify installation and design.

EDMO#	MFR#	MODEL	SHELL SIZE	POSITIONS	GENDER
MS3106A10S	MS3106A-10SL3S	MS3106A-10SL3S	10SL	3	Female
230021-1	230021-1	MS3106E10SL-3S	10SL	3	Female
MS3120E14	MS3120E14-12S	MS3120E14-12S	14	12	Female
3112E123S	MS3112E12-3S	MS3112E12-3S	12	3	Female
3116P123P	MS3116P12-3P	MS3116P12-3P	12	3	Male
MS3116E84S	MS3116E8-4S	MS3116E8-4S	8	4	Female
DTS26W09	D38999/26WA98SN	–	9	3	Female
MS3456W14	MS3456W14S-6S	MS3456W14S-6S	14	6	Female


230021-1

MS3057A CABLE CLAMPS FOR MS CIRCULAR CONNECTORS

EDMO#	MFR#	SHELL SIZE	CABLE INSULATION DIAMETER	THREAD SIZE
9730571004	97-3057-1004	10SL, 12S	5/16 in (7.92 mm)	5/8-24

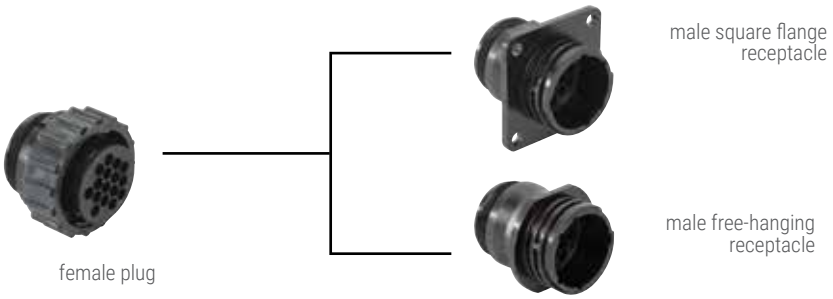


CPC CONNECTORS

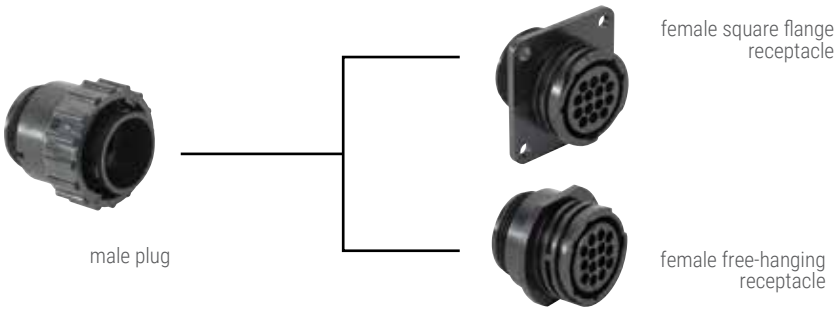
Molded plastic CPC connectors provide a substantial savings in both weight and cost because of their plastic shells. Multiple shell sizes, densities, and configurations are available.

SERIES 1 CONNECTORS

Series 1 CPC connectors use size 16 contacts. Pins and sockets are available in two AWG sizes: 24-20 AWG and 18-16 AWG. Pins and sockets have been tested up to 13 amperes. Series 1 connectors cannot be mated with series 2.



PINS	SHELL SIZE	FEMALE PLUG	MALE SQUARE FLANGE RECEPTACLE	MALE FREE-HANGING RECEPTACLE
STANDARD SEX CONNECTORS				
4	11	206060-1	206061-1	206153-1
9	13	206708-1	206705-1	206705-2
16	17	206037-1	206036-1	206036-3
24	23	206837-1	206838-1	206838-2
37	23	206150-1	206151-1	206151-2



PINS	SHELL SIZE	MALE PLUG	FEMALE SQUARE FLANGE RECEPTACLE	FEMALE FREE-HANGING RECEPTACLE
REVERSE SEX CONNECTORS				
4	11	206429-1	206430-1	206430-2
14	17	206044-1	206043-1	206043-3
37	23	206305-1	206306-1	206306-2



PINS	SHELL SIZE	STANDARD NUMBERED FEMALE PLUG	MALE FEED-THROUGH RECEPTACLE:	REVERSE NUMBERED FEMALE PLUG
FEED THROUGH CONNECTORS				
4	11	206060-1	206518-2	206516-1
16	17	206037-1	206552-1	206554-1

CPC CABLE CLAMPS FOR SERIES 1 CPC CONNECTORS

EDMO#	MFR#	SHELL SIZE	CABLE INSULATION DIAMETER	THREAD SIZE
1-206062-4	1-206062-4	11	8.36 mm	5/8 - 24
206966-7	206966-7	13	17.86 mm	3/4 - 20
206070-8	206070-8	17	11.51 mm	15/16 - 20
206138-8	206138-8	23, M41	17.86 mm	1-3/8 - 18


1-206062-4


206138-8

PINS FOR SERIES 1 MALE CPC CONNECTORS

EDMO#	MFR#	AWG	FINISH
66099-1	66099-1	18/16	Gold/nickel
66099-4	66099-4	18/16	Sel/gold/nickel
66103-1	66103-1	24/20	Gold/nickel
66103-4	66103-4	24/20	Sel/gold/nickel

Sold in quantities of 100.



SOCKETS FOR SERIES 1 FEMALE CPC & FEED-THROUGH CONNECTORS

EDMO#	MFR#	AWG	FINISH
66101-1	66101-1	18/16	Gold/nickel
66101-4	66101-4	18/16	Sel/gold/nickel
66105-1	66105-1	24/20	Gold/nickel
66105-4	66105-4	24/20	Sel/gold/nickel

Sold in quantities of 100.



CRIMP TOOL FOR CPC CONNECTORS

EDMO# 58495-1
MFR# 584951

Pro-Crimper II Tool for pins and sockets. Comes with 16/28 die.



EXTRACTION TOOL

EDMO# 305183
MFR# 305183

The AMP extraction tool for connector pins. Contact sizes 20-24 AWG.



INSERTION TOOL

EDMO# 91002-1
MFR# 910021

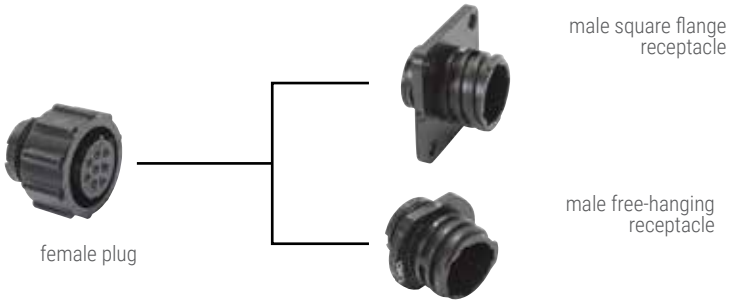
The AMP insertion tool for connector pins. Contact sizes 20-24 AWG.



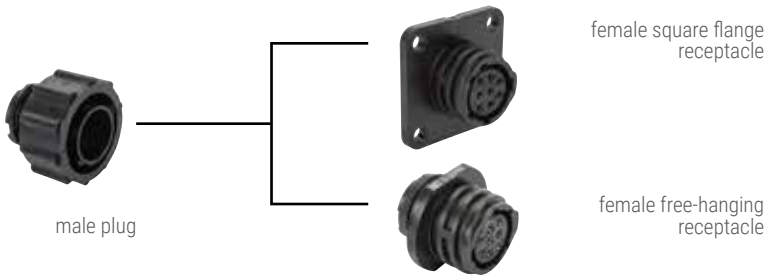
For information on these tools, check out the Tools section (chapter 5).

SERIES 2 CPC CONNECTORS

Series 2 CPC connectors accept size 20 pin and socket contacts (the same size contacts that are used with sub-miniature "D" connectors). Pins and sockets are available in AWG size 24-20. Maximum current carrying capability is 7.5 amperes. Series 1 connectors cannot be mated with series 2.



PINS	SHELL SIZE	FEMALE PLUG	MALE SQUARE FLANGE RECEPTACLE	MALE FREE-HANGING RECEPTACLE
STANDARD SEX CONNECTORS				
8	11	205838-1	205841-1	205841-2
9	11	206485-1	206486-1	206486-2
28	17	205839-3	205840-3	206152-1



PINS	SHELL SIZE	MALE PLUG	FEMALE SQUARE FLANGE RECEPTACLE	FEMALE FREE-HANGING RECEPTACLE
REVERSE SEX CONNECTORS				
8	11	206434-1	206433-1	206433-2
28	17	206039-1	206038-1	206038-2



PINS	SHELL SIZE	STANDARD NUMBERED FEMALE PLUG	MALE FEED-THROUGH RECEPTACLE:	REVERSE NUMBERED FEMALE PLUG
FEED THROUGH CONNECTORS				
8	11	205838-1	206458-1	206460-1
28	17	206125-1	206127-1	206126-1

CPC CABLE CLAMPS FOR SERIES 2 CPC CONNECTORS

EDMO#	MFR#	SHELL SIZE	CABLE INSULATION DIAMETER	THREAD SIZE
1-206062-4	1-206062-4	11	8.36 mm	5/8 - 24
206966-7	206966-7	13	17.86 mm	3/4 - 20
206070-8	206070-8	17	11.51 mm	15/16 - 20
206138-8	206138-8	23, M41	17.86 mm	1-3/8 - 18


1-206062-4


206138-8

PINS FOR SERIES 2 MALE CPC CONNECTORS

EDMO#	MFR#	AWG	FINISH
205089-1	205089-1	24/20	Gold/closed barrel
1-66506-0	1-66506-0	24/20	Gold/open barrel


sold per 100

SOCKETS FOR SERIES 2 FEMALE & FEED THROUGH CONNECTORS

EDMO#	MFR#	AWG	FINISH
205090-1	205090-1	24/20	Gold/closed barrel
202508-1	202508-1	18-16	Gold/closed barrel
1-66504-0	1-66504-0	24/20	Gold/open barrel


sold per 100

Not finding what you need?

Did you know that EDMO has a large inventory of connectors? If you don't see what you need here, it's likely we have it, or can order it in for you. As always, give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

SERIES 3 CPC POWER CONNECTORS

Series 3 connectors accept Type XII power contacts which can carry up to 25 amps per contact. These contacts will accommodate a wire size range of 16 to 10 AWG. Two connector sizes are available in both standard and reverse sex connector arrangements 3 and 7 positions.

EDMO#	MFR#	SHELL SIZE	CABLE INSULATION DIAMETER	THREAD SIZE
206037-2	206037-2	17	0.22 in (5.59 mm)	15/16-20 UNEF–2A
1-206062-4	1-206062-4	11	0.33 in (8.36 mm)	5/8-24 UNEF–2B
206138-8	206138-8	23	0.70 in (17.86 mm)	1 3/8-18 UNEF–2B



1-206062-4



206138-8

CRIMP TOOLS FOR CPC SERIES 2 CONNECTORS

EDMO# AFM8
MFR# AFM8

Daniels Crimp tool.



EDMO# 58448-2
MFR# 58448-2

Pro-Crimper II Tool (comes with die set)



INSERTION/EXTRACTION TOOL

EDMO# 91285-1
MFR# 91285-1



Insertion and extraction tool with interchangeable tips for use with HD-22 and HD-20 contacts. Includes a handle, six tips, a hex wrench, and a plug. Each plug is color-coded according to specific type and wire size.

CONTACT SIZE	AWG	INSERTION/EXTRACTION TIPS	
		COLOR	TYPE
HD-20	28/20	Yellow	Insertion
HD-20	24/18	Red	Extraction
HD-20	28/24	Brown	Extraction
HD-20	posted	Blue	Extraction
HD-20	posted	Black	Insertion
HD-22	28/22	Green	Insertion/extraction

POSITIONER FOR AFM8

EDMO# K13-1
MFR# K13-1



EXTRACTION TOOL

EDMO# 91067-2
MFR# 91067-2

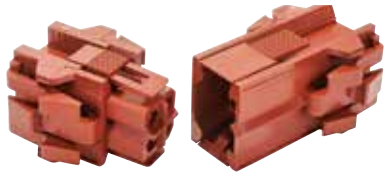
Pin and socket extraction tool.



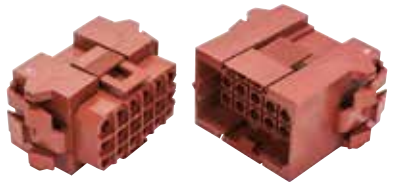
For information on these tools, check out the Tools section (chapter 5).

METRIMATE CONNECTORS

EDMO#	MFR#	DIMENSIONS	# OF PINS
PLUG			
207015-1	207015-1	0.799 X 0.712	4
207152-1	207152-1	0.988 X 0.712	6
207439-1	207439-1	0.988 X 0.945	9
207017-1	207017-1	1.181 X 0.945	12
207442-1	207442-1	1.594 X 0.945	18
207304-1	207304-1	1.594 X 1.114	24
207019-1	207019-1	2.195 x 1.096	36



4-pin plug and receptacle



18-pin plug and receptacle

EDMO#	MFR#	DIMENSIONS	# OF PINS
RECEPTICLE			
207016-1	207016-1	0.799 X 0.712	4
207153-1	207153-1	0.988 x 0.712	6
207440-1	207440-1	0.988 x 0.945	9
207018-1	207018-1	1.181 x 0.945	12
207443-1	207443-1	1.594 x 0.945	18
207305-1	207305-1	1.594 x 1.114	24

PINS FOR METRIMATE CONNECTORS

EDMO#	MFR#	AWG	FINISH
66099-1	66099-1	18-16	Gold/nickel
66099-4	66099-4	18-16	Tin-lead
66103-1	66103-1	24-20	Gold/nickel
66103-4	66103-4	24-20	Sel/gold/nickel
350547-1	350547-1	20-14	Brass/Tin
350547-7	350547-7	20-14	Gold/nickel



SOCKETS FOR METRIMATE CONNECTORS

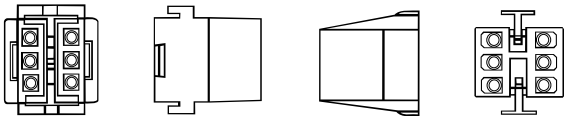
EDMO#	MFR#	AWG	FINISH
66101-1	66101-1	18-16	Gold/nickel
66101-4	66101-4	18-16	Sel/gold/nickel
66105-1	66105-1	24-20	Gold/nickel
66105-4	66105-4	24-20	Sel/gold/nickel
350550-1	350550-1	20-14	Tin/brass
350550-2	350550-2	20-14	Gold
350689-2	350689-2	24-18	Gold



MATE-N-LOK CONNECTORS

Mate-N-Lok connectors are constructed with fully polarized nylon housings and provide easy cavity identification. Locking devices, built-in contact stabilization, and self-aligning features keep the connector halves securely in place while a hot side egg-crate design promotes safety.

- Durable, locking design holds together under severe conditions of vibration and shock
- Low insertion/extraction forces, accepts size range of 30-14 AWG (2-inch centerline)
- Wire to PC board capability using pin or socket headers
- Solderability headers meet MIL-STD 202 method 208



MOTOR MOUNT

EDMO#	MFR#	# OF PINS
PIN HOUSING		
1-480698-0	1-480698-0	2
1-480271-0	1-480271-0	6
1-480284-0	1-480284-0	8
1-480286-0	1-480286-0	10
1-480288-0	1-480288-0	12
1-480439-0	1-480439-0	16



pin housing 16-pin

EDMO#	MFR#	# OF PINS
SOCKET HOUSING		
1-480699-0	1-480699-0	2
1-480270-0	1-480270-0	6
1-480283-0	1-480283-0	8
1-480285-0	1-480285-0	10
1-480287-0	1-480287-0	12
1-480438-0	1-480438-0	16

socket housing 16-pin

FREE HANGING

EDMO#	MFR#	# OF PINS
PIN HOUSING		
1-480350-0	1-480350-0	1
1-480319	1-480319-0	2
1-480305-0	1-480305-0	3
1-480426-0	1-480426-0	4
770078-1	770078-1	4

pin housing 4-pin

EDMO#	MFR#	# OF PINS
SOCKET HOUSING		
1-480349-0	1 480349-0	1
1-480318	1-480318-0	2
1-480303-0	1-480303-0	3
1-480424-0	1 480424-0	4

socket housing 4-pin

PANEL MOUNT

EDMO#	MFR#	# OF PINS
PIN HOUSING		
1-480276-0	1 480276-0	6
1-480345-0	1-480345-0	8
1-480277-0	1 480277-0	9
1-480278-0	1-480278-0	12



pin housing 9-pin

EDMO#	MFR#	# OF PINS
SOCKET HOUSING		
1-480304-0	1-480304-0	3
1-480425-0	1-480425-0	4
1-480273-0	1 480273-0	6
1-480705	1-480705-0	6
1-480283-0	1-480283-0	8
1-480274-0	1-480274-0	9
1-480275-0	1-480275-0	12



socket housing 9-pin

PINS FOR MATE-N-LOK PIN HOUSINGS

EDMO#	MFR#	AWG	FINISH
201568-1	201568-1	14	Gold
200336-1	50F668	18-16	Gold
1-66101-9	1-66101-9	18-16	Brass/Tin
60620-1	60620-1	20-14	Brass/tin
60620-4	60620-4	20-14	Phosphor bronze/tin
60620-5	60620-5	20-14	Brass/gold
60618-1	60618-1	24-18	Brass/tin
60618-4	60618-4	24-18	Phosphor bronze/tin
60618-5	60618-5	24-18	Brass/gold
350690-1	350690-1	24-18	Brass/tin
350690-2	350690-2	24-18	Brass/silver
66103-2	66103-2	24-20	Brass/tin
1-66103-5	1-66103-5	24-20	Tin lead

More options available. See edmo.com for info





SOCKETS FOR MATE-N-LOK PIN HOUSINGS

EDMO#	MFR#	AWG	FINISH
66360-1	66360-1	18-14	Brass/gold
66101-3	661013	18-16	Brass/gold
200333-1	200333-1	18-16	Brass/gold
60619-1	60619-1	20-14	Brass/tin
60619-4	60619-4	20-14	Phosphor bronze/tin
60619-5	60619-5	20-14	Brass/gold
770144-1	770144-1	2-14	Brass/tin
60617-1	60617-1	24-18	Brass/tin
60617-4	60617-4	24-18	Phosphor bronze/tin
60617-5	60617-5	24-18	Brass/gold
350689-1	350689-1	24-18	Brass/tin
350689-2	350689-2	24-18	Brass/gold
66105-3	66105-3	24-20	Brass/gold
201580-1	201580-1	24-20	Brass/gold

More options available. See edmo.com for info





D CONNECTORS

HDP-20 CRIMP SNAP-IN CONTACT CONNECTORS

HDP-20 crimp snap-in contact connectors provide a wide choice of contact positions (9, 15, 25, 37 and 50) and they are intermateable with any size 20 subminiature D connector dimensionally complying with MIL-C-24308. Constructed with a steel shell and zinc plating.

PLUGS

EDMO#	MFR#	SHELL SIZE	# OF PINS
205204-9	205204-9	1	9
205206-9	205206-9	2	15
5205208-1	5205208-1	3	25
204517-2	204517-2	3	44
205210-8	205210-8	4	37
204519-2	204519-2	4	62
1658641-3	1658641-3	5	50
1658674-1	1658674-1	5	78
204521-2	204521-2	5	78 (includes pins)



RECEPTACLES

EDMO#	MFR#	SHELL SIZE	# OF PINS
205203-8	205203-8	1	9
205205-7	205205-7	2	15
205163-1	M24308/2-282F	2	15
2-283F	205165-1	3	25
205557-2	205557-2	2	15 (includes sockets)
205165-1	205165-1	3	25
5205207-1	5205207-1	3	25
204516-2	M24308/2-13F	3	44
205209-7	205209-7	4	37
204518-2	204518-2	4	62
1658640-2	1658640-2	5	50
1757820-5	M24308/2-285	5	50
204520-2	204520-2	5	78



HDP-20 CRIMP SOLDER CUP CONTACT CONNECTORS

Solder cup connectors have preloaded duplex-plated solder cup contacts finished with a shell of either standard zinc or tin. The HDP-20s can be connected with other subminiature D connectors and are available in 9, 15, 25 and 37 position (shell sizes 1-4) plugs and receptacles—and they can be easily installed without special application tools.

PLUGS

EDMO#	MFR#	SHELL SIZE	# OF PINS
5-747908-2	5-747908-2	2	15
5-747912-4	5-747912-4	3	25
5-747913-2	5-747913-2	3	25
747916-4	5-747916-2	4	37
5-747904-2	5-747904-2	1	9



RECEPTACLES

EDMO#	MFR#	SHELL SIZE	# OF PINS
5-747905-4	5-747905-4	1	9
5-747909-2	5-747909-2	2	15
5-747917-2	5-747917-2	4	37
748569-1	1658685-1	5	78



PINS FOR D CONNECTOR PLUGS


closed barrel


open barrel

EDMO#	MFR#	AWG	FINISH	BARREL
1-66506-0	1-66506-0	24-20	Brass/gold	Open
204370-2	2043702	2043702	Copper alloy/gold	Closed
205089-1	205089-1	24-20	Copper alloy/gold	Closed

SOCKETS FOR D CONNECTOR RECEPTACLES


closed barrel


open barrel

EDMO#	MFR#	AWG	FINISH	BARREL
1-66504-0	1-66504-0	24-20	Phosphor bronze/gold	Open
204351-1	204351-1	28-22	Copper alloy/gold	Closed
205090-1	205090-1	24-20	Copper alloy/gold	Closed

D CONNECTOR CABLE CLAMPS


207470-1


5205718-1

EDMO#	MFR#	SHELL SIZE	# OF PINS	TYPE
207467-1	207467-1	1	9	Box and lid
207470-1	207470-1	2	15	Box and lid
207345-1	207345-1	3	25	Box and lid
5205729-1	5205729-1	1	9	Clam shell
5205730-1	52057301	2	15	Clam shell
5205718-1	5205718-1	3	25	Clam shell
5205731-1	5205731-1	4	37	Clam shell
5205732-1	5205732-1	5	50	Clam shell

FEMALE SCREW LOCK KIT FOR D CONNECTORS

For use with metal shell or all plastic D connectors. Steel with zinc plating. 4-40 UNC thread size, RoHS compliant.



EDMO#	MFR#	FINISH
5205817-3	5205817-3	Clear chromate
5205817-1	5205817-1	Yellow chromate

SLIDE LATCH CLIP FOR D CONNECTORS

EDMO# 5206942-1
MFR# 5206942-1

Slide latch assembly for use with D connectors. Stainless steel latch and steel screw with zinc plating. 4-40 UNC thread size, RoHS compliant.



MALE SCREW RETAINER KIT FOR D CONNECTORS

EDMO# 5205980-1
MFR# 5205980-1

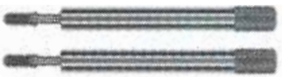
For use with metal shell D connectors. Carbon steel screw with zinc plating and yellow chromate finish. 4-40 UNC thread size, RoHS compliant



MALE JACKSCREW KIT FOR D CONNECTORS

EDMO# 747784-3
MFR# 747784-3

Stainless steel. 4-40 UNC thread size, RoHS compliant.



SLIDING LOCK POST KIT

EDMO# 5206514-1
MFR# 5206514-1

For use with cable clamps. Male, cold rolled steel with zinc plating. 4-40 UNC thread size, RoHS compliant.



REPLACEMENT PIN

EDMO# PIN-303-11
MFR# R/FPIN-303-11

For use with BNC and TNC connectors that use RG-142 and RG-400.

COUNT ON EDMO TO HAVE EXACTLY WHAT YOU NEED, WHEN YOU NEED IT.

Everything our customers need at the bench, we supply: connectors, insertion and removal tools, crimpers, terminals and splices, heat guns, solder sleeves, plugs and jacks, circuit breakers, power outlets, switches, and custom legends. All of this, and more: EDMO has it all. Call one of our friendly sales representatives with questions, or find exactly what you need online at edmo.com.

INTEGRAL

EMI/RFI SHEILDED CABLE CLAMP

EMI/RFI shielded cable clamps provide insulation for jacketed cable terminations to HDE or HDP receptacles or plugs. These cable clamps allow cables to be fully prepared and terminated to the connector before the shield is installed — simplifying the installation process.

EDMO#	MFR#	SHELL SIZE	# OF PINS
5748676-2	5748676-2	2	15
RA23	RA23	22-18	Red
RB14D	RB14D	16-14	Blue

TWIN LEAF CONTACT

EDMO# 5-583853-4
MFR# 5-583853-4

Twin leaf contact crimp socket features a gold, locking contact retention and fits discrete wire size of 24-20 AWG.

MIL-SPEC CONTACTS

MIL-SPEC CONTACT PINS

EDMO#	MFR#	AWG	FINISH	BARREL
3902992534	M39029/92-534	12		
M390291102	M39029/1-102	16-14	Brass/gold	Closed
M39029/1-1	M39029/1-101	20-16	Brass/gold	Closed
M390294110	M39029/4-110	20	Gold	Closed
M390294113	M39029/4-113	12	Gold	Closed
M390295863	M39029/58-363	20	Gold	Closed
3902958364	M39029/58-364	16-20	Copper alloy	Closed
3902931228	M39029/31-228	16	Gold	Closed
3902931240	M39029/31-240	24-20	Copper alloy/gold	Closed
3902931627	M39029/31-240	24-20	Copper alloy/gold	Closed
3902931627	M39029/31-627	24-20	Copper alloy/gold	Closed
3902958360	M39029/58-360	28-22	Copper alloy/gold	Closed
3902956348	M39029/56-348	28-22	Gold	Open

MIL-SPEC CONTACT SOCKETS

EDMO#	MFR#	AWG	FINISH	BARREL
3902922605	M39029/22-605	14-12	Copper alloy/gold	Closed
M390295116	M39029/5-116	20-16	Gold	Closed
3902922193	M39029/22-193	20-16	Copper alloy/gold	Closed
3902992532	M39029/92-532	20-16	Copper alloy	Closed
3902992533	M39029/92-533	20-16	Copper alloy/gold	Closed
3902992534	M39029/92-534	20-16	Copper alloy/gold	Closed
3902992536	M39029/92-536	14-12	Gold/nickel	Closed
3902932247	10-257982-16F	20-16	Copper alloy/gold	Closed
3902932259	M39029/32-259	24-20	Copper alloy/gold	Closed
M390293226	M39029/32-260	24-20	Copper alloy/gold	Closed
M390295115	M39029/5-115	24-20	Copper alloy/gold	Closed
3902922192	M39029/22-192	24-20	Copper alloy/gold	Closed
3902922191	M39029/22-191	26-22	Copper alloy/gold	Closed
3902956351	M39029/56-351	20-24	Copper alloy/gold	Closed
3902957354	MS39029/57-354	26-22	Copper alloy/gold	Closed
3902957356	M39029/57-356	22	Copper alloy/gold	Closed
3902957357	M39029/57-357	20-24	Copper alloy/gold	Closed
3902957358	M39029/57-358	16-20	Copper alloy/gold	Closed
3902963368	M39029/63-368	20-24	Copper alloy/gold	Closed



COAXIAL ADAPTERS

EDMO#	MFR#	TYPE	PLATING BODY/ CONTACT
STRAIGHT			
PE9006	PE9006	N female – N female	Nickel/gold
PE9078	PE9078	SMA male – TNC female	Nickel/gold
PE9087	PE9087	BNC female – C male	Nickel/gold
PE9088	PE9088	TNC male – BNC female	Nickel/gold
PE9090	PE9090	N male – TNC female adapter / DC–1,000 MHz	Brass/gold
PE9093	PE9093	BNC female – BNC female (hermetically sealed)	Nickel/gold
PE9089	PE9089	N female – TNC male adapter	Brass/gold
PE9097	PE9097	TNC female – BNC female adapter	Brass/gold
PE9099	PE9099	TNC female – TNC female	Nickel/gold
PE9126	PE9126	HN male – BNC female	Nickel/gold
PE9129	PE9129	HN female – BNC male	Nickel/gold
PE9131	PE9131	N female – TNC female	Nickel/gold
PE9154	PE9154	TNC female – TNC female (hermetically sealed)	Nickel/gold
PE9155	PE9155	50Ω N-connector – 75Ω F-female	Gold/brass
PE9206	PE9206	N female – BNC female	Nickel/gold
PE9531	PE9531	TNC female – TNC male reverse polarity	Nickel/gold
PE9562	PE9562	TNC male – C female	Nickel/silver
PE9564	PE9564	TNC female – C male adapter	Silver
31-28RFX	031-28RFX	BNC female – UHF male	Nickel/silver
31-208RFX	031-208RFX	BNC female – BNC male-BNC female	Nickel/gold
31-216RFX	031-216-RFX	N male – BNC female	Nickel/silver
31-217RFX	031-217-RFX	N female – BNC male	Nickel/silver
31-218RFX	031-218RFX	BNC male – BNC male	Nickel/gold
31-219	031-219	BNC female – BNC female	Nickel/silver
31-220NRFX	031-220N-RFX	BNC female – BNC female	Nickel/gold
31-220H	031-220H	BNC female – BNC female (pressurized)	Nickel/silver
RFB1137	RFB1137	BNC female – UHF male	Nickel/silver
RFT1230	R/FRFT1230	TNC female – BNC male	Nickel/gold
RFT1231	R/FRFT1231	TNC male – BNC female	Nickel/gold
RFT1232	R/FRFT1232	TNC female – BNC female	Nickel/gold
RSA3452	R/FRSA3452	SMA male – N female	Nickel/gold
RSA3458	R/FRSA3458	SMA male – BNC female	Nickel/gold
RSA3476	R/FRSA3476	BNC male – SMA female	Nickel/gold
330024	330024	BNC female – BNC female	Nickel/silver
TPI-3008	TPI-3008	SMA male adapter	Silver/brass
RIGHT ANGLE			
PE4230	PE4230	HN male	Nickel/gold
PE9100	PE9100	TNC male – TNC female adapter / DC–1,000 GHz	Silver/Beryllium
PE9278	PE9278	N male – BNC female	Nickel/silver
PE9566	PE9566	N Female – BNC male	Nickel/gold
PE9783	PE9783	TNC male – BNC female	Nickel/silver
31-9RFX	31-9RFX	BNC female – BNC male	Nickel/silver
34-111112G	034-1111-12G	HD BNC – HD BNC	Nickel/gold
RFT1227	R/FRFT1227	TNC female – TNC male	Nickel/gold
DBFTMA-90	DBFTMA-90	BNC female – TNC male	Nickel/gold
221988-1	221988-1	BNC female tee	Nickel/silver
TEE			
PE9290	PE9290	TNC Tee male – female/female	Nickel/silver


BNC male-male


BNC female-female


BNC female-female bulkhead


TNC female-female bulkhead


BNC female-UHF male


BNC female-N male


BNC male-N female


N female-N female


BNC female-male right angle


TNC male-female right angle


TNC male-female-female Tee

More options available. See edmo.com for full inventory.

UNIVERSAL COAXIAL ADAPTER KIT

CAL TEST ELECTRONICS INC
EDMO# CT-2701A
MFR# CT-2701A

30-piece coaxial adapter kit with nickel-plated adapter bodies. 50 Ω impedance. See kit contents below.



QTY	TYPE
6	Universal
2	BNC male
2	BNC female
1	F male
1	F female
2	N male

QTY	TYPE
2	N female
1	RCA male
1	RCA female
1	SM male
1	SMA female
2	TNC male

QTY	TYPE
2	TNC female
2	UHF male
2	UHF female
1	Mini UHF male
1	Mini UHF female

BNC/N COAXIAL ADAPTER KIT

EDMO# CT-2702
MFR# CT-2702

12-piece BNC and N coaxial adapter kit with both in-series and between-series adapters. 50 Ω impedance, see kit contents below.



QTY	TYPE	SHAPE
1	BNC female-male-female	Tee
1	N female-female	Straight
1	N male-male	Straight
1	N female-male-female	Tee
1	N female-female-female	Tee
1	BNC female-N male	Straight

QTY	TYPE	SHAPE
1	BNC male-N female	Straight
1	BNC female-female	Straight
1	BNC male-male	Straight
1	BNC female-N female	Straight
1	BNC female-female-female	Tee
1	N male-female	Right angle

**More connector and coaxial adapter kits available. Check out the Test Equipment section (chapter 7).*

TERMINALS & SPLICES

PIDG TERMINALS & SPLICES

Pre-insulated diamond grip (PIDG) ring tongue terminals consist of a precision-formed metal wire barrel and a copper sleeve encased in insulating material made of nylon, polyvinyl chloride (PVC), or polyvinyl fluoride (PVF2). The wire barrel contains serrations that provide maximum contact and tensile strength after crimping the terminal, splice, or end cap onto the wire. Each terminal has a color-coded body that indicates the applicable wire range (to help reduce errors during installation).

PIDG SPLICES

EDMO#	MFR#	AWG	COLOR
KNIFE SPLICE			
320555	320555	22-16	Red
32446	32446	22-16	Red
320566	320566	16-14	Blue
32448	32448	16-14	Blue
320620	320620	12-10	Yellow
35762	35762	12-10	Yellow





Butt Splices



Knife Splices

EDMO#	MFR#	AWG	COLOR
BUTT SPLICE			
320559	320559	22-16	Red
320562	320562	16-14	Blue
327583	327583	16-14	Blue
320570	320570	12-10	Yellow
323994	323994	26-24	Yellow
323975	323975	24-20	Clear

EDMO#	MFR#	AWG	COLOR
END SPLICE			
324485	324485	22-16	Red
8-328307-1	8-328307-1	22-18	Red
328307	328307	22-18	Red
324486	324486	16-14	Blue
328308	328308	16-14	Blue



End Splices

EDMO#	MFR#	AWG	COLOR
328309	328309	12-10	Yellow
324487	324487	12-10	Yellow
35115	35115	22-14	Clear
35653	35653	22-10	Clear
324484	324484	26-16	Clear

EDMO#	MFR#	AWG	COLOR
SPADE TERMINAL			
32054	32054	22-16	Red



Spade Terminal

EDMO#	MFR#	AWG	COLOR
32059	32059	14	Blue
32562	32562	22-16	Red

RING TERMINALS

EDMO#	MFR#	STUD SIZE	AWG	COLOR
31880	31880	4	22-16	Red
320553	320553	4	22-18	Red
31894	31894	1/4	22-16	Red
52284-2		6	20	Red
36150	36150	6	22-16	Red
36151	36151	6	22-18	Red
36152	36152	6	22-16	Red
51863	51863	6	22-16	Red
323039	323039	6	22-16	Red
324011	324011	6	22-16	Red
31886	31886	8	22-16	Red
31890	31890	8	22-16	Red
320551	320551	8	22-16	Red
320554	320554	8	22-16	Red
2-36153-3	2-36153-3	10	22	Red
36153	36153	10	22-16	Red
36154	36154	10	22-16	Red
320571	320571	1/4	22-16	Red
320573	320573	9.53 mm	22.16	Red
31895	31895	5/16	22-16	Red
31897	31897	3/8	22-16	Red
328975	328975	1/2	22-16	Red
328996	328996	4	16-14	Blue
320561	320561	6	16-14	Blue
320619	320619	6	16-14	Blue
324056	324056	M6	1/0	Blue
324057	324057	3/8	1/0	Blue
326882	326882	6	16-14	Blue
36158	36158	6	16-14	Blue
328849	328849	1/2	16-14	Blue









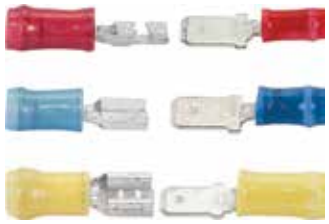
EDMO#	MFR#	STUD SIZE	AWG	COLOR
320560	320560	8	16-14	Blue
320565	320565	8	16-14	Blue
51864-1	51864-1	8	16-14	Blue
53041	53041	8		Blue
36160	36160	10	16-14	Blue
51864-2	51864-2	10	16-14	Blue
8-55852-2	8-55852-2	10	16-14	Blue
321045	321045	1/4	16-14	Blue
328976	328976	12.7	16-14	Blue
328998	328998	5/16	16-14	Blue
328999	328999	3/8	16-14	Blue
323914	323914	4	26-22	Yellow
323915	323915	6	26-22	Yellow
35107	35107	6	12-10	Yellow
35108	35108	8	12-10	Yellow
35109	35109	12	12-10	Yellow
320567	320567	6	12-10	Yellow
320569	320569	1/4	12-10	Yellow
35110	35110	1/4	12-10	Yellow
35111	35111	5/16	12-10	Yellow
35112	35112	3/8	12-10	Yellow
35151	35151	1/2	12-10	Yellow
321064	321064	7.97	2	Uninsulated
1-321897-0	1-321897-0	8	22-16	Uninsulated
322906	322906	9.53	1/0	Uninsulated
323165	323165	10	8	Uninsulated
34123	34123	10	16-14	Uninsulated
321235	321235	6.35	22-10	Clear
323985	323985	4	24-20	Clear
323986	323986	6	24-20	Clear
323989	323989	8	24-20	Clear
323990	323990	10	24-20	Clear

PIDG QUICK DISCONNECT TABS & RECEPTACLES

PIDG FASTON receptacles are pre-insulated and consist of a tin-plated brass body with a copper sleeve fitted over the terminal barrel. Color-coded to indicate wire size range suitable for the receptacle.

Quick disconnect PIDG FASTON tabs are solid metal tabs with plastic insulation on the crimp end. The metal support sleeve under the insulation crimps tightly onto the wire insulation and provides wire strain relief in high vibration environments. Color-coded insulation for easy visual identification.

EDMO#	MFR#	SIZE	AWG	COLOR
RECEPTACLES				
640903-1	640903-1	0.25	22-18	Red
640911-1	6409111-1	0.205	22-18	Red
640917-1	6409171-1	0.187	22-18	Red
640923-1	6409231-1	0.11	22-18	Red
640905-1	6409051-1	0.25	16-14	Blue
640913-1	640913-1	0.205	16-14	Blue



EDMO#	MFR#	SIZE	AWG	COLOR
640919-1	640919-1	0.187	16-14	Blue
640929-1	640929-1	0.11	16-14	Blue
640907-1	640907-1	0.25	12-10	Yellow
TABS				
66023-2	66023-2	0.25	22-16	Red
66024-2	66024-2	0.25	16-14	Blue
66025-2	66025-2	0.25	12-10	Yellow

ULTRA-FAST 250 NYLON FULLY INSULATED TAB/RECEPTACLE

The Ultra-Fast FASTON receptacle and tab offers the advantage of a completely protected terminal. The fully insulated crimp termination ensures electromechanical performance. The user-friendly design combines easy mating with rounded corners eliminating exposed leads.

- Fully insulated
- Correct lead-in tab design
- Funnel wire entry
- Wire stop
- Transparent insulation
- Visual inspection of crimp and wire brush
- Color-coded
- Marked with sizing



2-520103-2



2-520184-2

EDMO#	MFR#	AWG	COLOR	STYLE
2-520103-2	2-520103-2	22-18	Red	Tab
2-520184-2	2-520184-2	22-18	Red	Receptacle

INSULATED WRISTLOCK DISCONNECTS

Insulated nylon wristlock disconnects for wire range 22-14.

EDMO#	MFR#	AWG	COLOR
RA18D	RA18D	22-18	Red
RA23	RA23	22-18	Red
RB14D	RB14D	16-14	Blue



NIPPLE ELECTRICAL TERMINALS

Silicone electrical nipple-type terminals. Rubber and silicone construction.



EDMO#	MFR#	WIRE DIAMETER
MS25171-1	MS25171-1S	0.160
MS25171-2	MS25171-2S	0.310
MS25171-3	MS25171-3S	0.430
MS25171-4	MS25171-4S	0.560

PLASTIC-GRIP SPLICES





PLASTI-GRIP terminals and splices are inexpensive, pre-insulated electrical terminations that can be use in almost every type of commercial application, accommodating wire sizing from 22 to 2/0 AWG. PLASTI-GRIP terminals are constructed with a vinyl insulation sleeve that provides good dielectric strength while supporting the wire insulation so that no bare wire is exposed (94V-0 rated). See table below for applicable tools.

EDMO#	MFR#	AWG	COLOR
34070	34070	22-16	Red
34071	34071	16-14	Blue
34072	34072	12-10	Yellow

BOMB TAIL CLOSED END SPLICE CONNECTOR

Bomb tail splices consist of a precision formed metal wire barrel encased in vinyl insulating material. The vinyl material used as an insulation for the splices is highly resistant to abrasion and will resist temperatures up to 90º C (194º F). The splice fins are marked with the A logo, the wire range of the splice, letter coding that indicates the maximum voltage and temperature for the splice (VS or ECV), and listing agency (UL or CSA). The wire size marking indicates the range of wire sizes that can be used in combination in the splice.

EDMO#	MFR#	AWG	COLOR
36964	TYC 36964	22-14	Purple

TERMINYL TERMINALS

TERMINYL splices and terminals are designed for the larger wire sizes used in airborne and ground support applications. TERMINYL products withstand vibration, shock and structural stresses, elevated temperatures and other conditions that can adversely affect the circuit requirements in aviation equipment. Pre-insulated with color-coded nylon and constructed with fine grade, high-conductivity copper with corrosion-resistant plating.



- Meets or exceeds the requirements of MIL-T-7928, Type 11, class 2.

EDMO#	MFR#	STUD SIZE	AWG
RED			
324053	324053	1/4	2
324054	324054	3/8	2
324043	324043	10	8
324044	324044	5/16	8
324045	324045	3/8	8
324082	324082	1/4	8
BLUE			
324187	324187	3/8	4
324046	324046	10	6
324047	324047	1/4	6
324048	324048	5/16	6
324049	324049	3/8	6
YELLOW			
324050	324050	1/4	4
324051	324051	5/16	4
324052	324052	3/8	4
324111	324111	10	4

SOLISTRAND TERMINALS & SPLICES

SOLISTRAND terminals and splices are used to terminate solid and stranded wire and irregular shaped conductors. Constructed with high-conductivity copper that's electro-tinned for improved corrosion resistance. SOLISTRAND terminals consist of a completely closed barrel with serrations inside that provide optimum tensile strength and maximum electrical contact after crimping. The barrel has a conical entry for easy wire insertion. For use with regular wire/cable types.


33461


33463


33469


321298

EDMO#	MFR#	STUD SIZE	AWG
320383	320383	1/4	2
320741	320741	7/16	2
321600	321600	3/8	2
322870	322870	5/16	2
321059	321059	#10	4
321060	321060	5/16	4
321121	321121	3/8	4
327175	327175	1/2	4
33468	33468	10	4
33469	33469	1/4	4
33470	33470	5/16	4
33471	33471	3/8	4
35668	35668	1/2	4
321298	321298	10	6
321598	321598	1/4	6
33465	33465	1/4	6
33466	33466	5/16	6
33467	33467	3/8	6
2-324061-5	2-324061-5	8	8
32996	32996	8	8
33460	33460	10	8
33461	33461	1/4	8
33462	33462	5/16	8
33463	33463	3/8	8
31518	31518	2	26-22
1-321897-3	1-321897-3	8	22-16
1-321898-0	1-321898-0	10	22-16
321584	321584	3/8	2/0
36922	36922	5/16	2/0
36923	36923	3/8	2/0
36925	36925	1/2	2/0
36915	36915	1/4	1/0
36916	36916	5/16	1/0
36917	36917	3/8	1/0
36918	36918	7/16	1/0
36919	36919	1/2	1/0

BUTT SPLICES


34322


34323

EDMO#	MFR#	AWG
36957	36957	1
35189	35189	2
34323	34323	4
34322	34322	6
34321	34321	8
36958	36958	2/0

CRIMP TOOLS FOR TERMINYL/SOLISTRAND TERMINALS & SPLICES

EDMO# 601075, 601075-1
MFR# 601075, 601075-1



EDMO# 600850
MFR# 600850



EDMO#: 45730
MFR#: 45730



For information on these tools, check out the Tools section (chapter 5).

ENVIRONMENT-RESISTANT SPLICES

MiniSeal wire-to-wire, environment-resistant splices consist of a plated copper crimp barrel and a separate, heat-shrinkable, transparent sealing sleeve. They can be used on a combination of wires, from 1:1 to 10:10. They preserve the electrical integrity of the splice as they are immersion-resistant and completely insulated to protect electrical connections from water, condensation, salt, and corrosion. Provides strain relief and helps prevent wire pullout and vibration in the most rugged environments. Qualified to MIL-S-81824/1.



Stub (Parallel) Splices



Butt (In-line) Splices

- Crimp barrel can only be used to create an immersion-resistant two-wire stub splice or a 2:1 parallel splice having insulations rated to 135°C minimum

EDMO#	MFR#	PLATING MATERIAL	AWG
RED			
D-150-0168	D-150-0168	Tin	26-20
D-150-0174	621207-000	Tin	26-20
D-150-0179	D-150-0179	Silver	22-20
D-150-0235	D-150-0235	Nickel	26-20
D-150-0236	D-150-0236	Nickel	22-20
D-436-0110	650038-000	Tin	26-20
D-436-0115	D-436-0115	Tin	26-20
D-436-0184	D-436-0184	Tin	26-20
D-436-0128	D-436-0128	Tin	26-20
D-436-36	650074-000	Tin	26-20
D-436-82	650126-000	Nickel	26-20
D-609-06	D-609-06	Tin	26-20
D-200-82	D-200-82	Nickel	26-20
BLUE			
D-150-0229	638145-000	Nickel	18-16
D-150-0237	D-150-0237	Nickel	18-16
D-436-37	650075-000	Tin	20-16
D-436-52	D-436-52	Tin	16
D-200-83	D-200-83	Nickel	20-16
D-436-58	D-436-58	Tin	20-16
D-436-83	650127-000	Nickel	20-16
M817141120	M81714/11-20D	Gold	22-16
D-436-42	D-436-42	Tin	24-20
YELLOW			
D-436-53	D-436-53	Tin	12
D-200-84	D-200-84	Nickel	16-12
D-436-38	650076-000	Tin	16-12
D-436-59	D-436-59	Tin	16-12
D-436-84	D-436-84	Nickel	16-12
D-436-43	D-436-43	Tin	22-16
VIOLET			
D-1744-02	D-1744-02		

WIRE-TO-WIRE SPLICING

EDMO# D-110-35
MFR# D-110-35

D-110 solder sleeve splices provide encapsulation, strain relief, insulation, and simple inspections for splicing together one or two wires per end. The one-piece design makes installation simple and cost effective.

- Simple and cost-effective installation
- 150°C operating temperature
- Splash-proof
- Convection or infrared installation procedure

SOLDER SLEEVES

SOLDER TERMINATION SLEEVES

Solder termination sleeves consisting of an outer, heat-shrinkable jacket crafted with a precision-engineered polyvinylidene fluoride sleeve that contains just the right amount of pre-fluxed solder—assuring reliable connections with each use. During the shrinking process, the tubes' thermoplastic sealing rings melt and flow to strain-relieve and create an environmental seal that meets SAE-Spec criteria. The solder preform is coated with a special thermochromic indicator that changes color when the necessary amount of heat has been applied.



H-M-5

EDMO#	MFR#	MAX DIAMETER
H-M-1	189-10176	0.105
H-M-2	H-M-2	0.145
H-M-3	H-M-3	0.200
H-M-4	H-M-4	0.255
H-M-5	H-M-5	0.300

SOLDER SLEEVES WITH PRE-INSTALLED LEADS

Similar to the H-C-X and L-C-X series but has pre-installed ground leads. Intended for cables having tin or silver-plated shields (class I).



EDMO#	MFR#	MAX DIAMETER
HML-1	STS H-ML-1	0.105
HML-6	H-ML-6	0.105
HML-11	STS H-ML-11	0.105
HML-2	HML-2	0.145
HML-7	H-ML-7	0.145
HML-12	STS M-ML-12	0.145
HML-3	STS H-ML-3	0.200
HML-8	H-ML-8	0.200
HML-13	STS HML-13	0.200
HML-4	H-ML-4	0.255
HML-9	HML-9	0.255
HML-14	STS HML-14	0.255
HML-5	HML-5	0.300

HIGH/LOW TEMPERATURE SOLDER SLEEVES

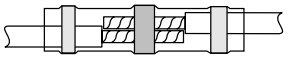
High and low temperature solder sleeves designed for terminating wire and cable with tin-coated or silver-plated shields with either high temperature cable insulation 125°C + (STSH-C) or low temperature insulation 105°C + (STSL-C). For use with convection (hot air heating) tools. Constructed with heat-shrinkable, modified polyvinylidene fluoride tubing with meltable sealing rings.



H-C-2



L-C-5



L-C series, used as butt splice

- Eutectic point of solder: 183°C (H-C-x) /143°C (L-C-x)
- Operating temperature: -55°C to +150°C (H-C-x) / -55°C to +105°C (L-C-x)

EDMO#	MFR#	MAX DIAMETER
H-C-2	STS H-C-2	0.125
H-C-5	STS H-C-5	0.300
L-C-1	189-10274	0.095
L-C-2	189-10282	0.125
L-C-3	STS L-C-3	0.200
L-C-4	L-C-4	0.250
L-C-5	STS L-C-5	0.300

IMMERSION RESISTANT SOLDER TERMINATION WITH BRAID



S01-05-R

Immersion resistant solder sleeves are designed to provide a reliable method of terminating wide variety cables rated for 125°C in environments below 150°C. These terminators contain a colored thermochromic temperature that changes color when the surfaces have reached wetting temperature. This color change allows manufacturing and quality control a simple method for the inspection of complete termination.

- Thermochromic temperature indicator

EDMO#	MFR#	JACKET O.D. (MAX) / SHIELD O.D. (MIN)	LEAD AWG
S01 SERIES / NO PRE-INSTALLED LEAD			
S01-01-R	665143-000	1.95 / 0.9	–
S01-02-R	642145-000	2.70 / 1.40	–
S01-03-R	775210-000	4.3 / 2.15	–
S01-04-R	346656-000	6.0 / 3.30	–
S01-05-R	S01-05-R	7.0 / 4.30	–
S02 SERIES / M8519 SPEC			
S02-02-R	646506-000	2.70 / 1.40	20
S02-04-R	S02-04-R	6.0 / 3.30	20
S02-05-R	958166-000	7.0 / 4.30	20
S02-07-R	163665-000	2.70 /1.40	22
S02-08-R	866259-000	4.30 / 2.15	22
S02-09-R	169750-000	6.0 / 3.30	22
S02-10-R	669507-000	7.0 / 4.30	22
SO3 SERIES			PLATING MATERIAL
S03-02-R	S03-02-R	2.70 / 1.40	Tin
S03-03-R	S03-03-R	4.30 / 2.15	Tin
S03-07-R	101273-000	2.70 / 1.40	Nickel
S03-08-R	587725-000	4.3 / 2.15	Nickel

H-MB SOLDER TERMINATION SLEEVE

H-MB series immersion resistant solder termination sleeves (STS) provide a reliable method of terminating a wide variety of coaxial cables and screens. They can be used for wire-to-wire, wire-to-pin connections, and triaxial cable assemblies. STS are designed to solder, seal terminations, provide strain relief and are installed by the application of heat.

- Includes six-inch, nickel-plated, pre-installed braid type per QQ-B-575
- Mil-Spec. AS83519/1 Qualified
- Immersion Resistant
- 150°C Operating Temperature
- 183°C Solder Melt Temperature
- Convection or infrared heated installation
- Sn63 RMA flux with thermochromic indicator

EDMO#	MFR#	MAX DIAMETER	PLATING
H-MB-206N	STS H-MB-206N	0.145	Nickel
H-MB-206T	H-MB-206T	0.145	Tin
H-MB-306N	STS H-MB-306N	0.200	Nickel

SEALED CRIMP SPLICE KIT

Sumitube STS sealed crimp splice kits are wire-to-wire splicing products offering solutions for many aerospace and defense applications. These environment-resistant splices provide excellent reliability, long term performance, SAE AS81824/1 qualification, and a low installed cost.

These STS sealed crimp kit splices are compact, lightweight, environmentally sealed wire splices. They ensure high-quality electrical connections that are sealed against corrosion and degradation over time when installed in applications that are exposed to harsh environments.

- Moisture resistant
- RoHS compliant

EDMO#	MFR#	AWG	COLOR
HCR-436-38	H-CR-436-38	16-12	Yellow
HCR-436-37	H-CR-436-37	20-16	Blue
HCR-436-36	H-CR-436-36	26-20	Red

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SERVICE



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FRACTION / INCH / MILLIMETER CONVERSION CHART

	INCHES	MILLIMETERS
1/64	.015625	.3969
1/32	.03125	.7938
3/64	.046875	1.1906
1/16	.0625	1.5875
5/64	.078125	1.9844
3/32	.09375	2.3813
7/64	.109375	2.7781
1/8	.125	3.1750
9/64	.140625	3.5719
5/32	.15625	3.9688
11/64	.171875	4.3656
3/16	.1875	4.7625
13/64	.203125	5.1594
7/32	.21875	5.5563
15/64	.234375	5.9531
1/4	.250	6.3500
17/64	.265625	6.7469
9/32	.28125	7.1438
19/64	.296875	7.5406
5/16	.3125	7.9375
21/64	.328125	8.3344
11/32	.34375	8.7313
23/64	.359375	9.1282
3/8	.375	9.5250
25/64	.390625	9.9219
13/32	.40625	10.3188
27/64	.421875	10.7157
7/16	.4375	11.1125
29/64	.453125	11.5094
15/32	.46875	11.9063
31/64	.4842375	12.3032
1/2	.500	12.7001

	INCHES	MILLIMETERS
33/64	.515625	13.096
17/32	.53125	13.493
35/64	.546875	13.890
9/16	.5625	14.287
37/64	.578125	14.684
19/32	.59375	15.081
39/64	.609375	15.478
5/8	.625	15.875
41/64	.640626	16.271
21/32	.65625	16.668
43/64	.671875	17.065
11/16	.6875	17.462
45/64	.703125	17.859
23/32	.71875	18.256
47/64	.734375	18.653
3/4	.750	19.050
49/64	.765625	19.447
25/32	.78125	19.843
51/64	.796875	20.240
13/16	.8125	20.6375
53/64	.828125	21.0345
27/32	.84375	21.431
55/64	.859375	21.8282
7/8	.875	22.2251
57/64	.890625	22.6220
29/32	.90625	23.0188
59/64	.921875	23.4157
15/16	.9375	23.8126
61/64	.953125	24.2095
31/32	.96875	24.6063
63/64	.984375	25.0032
1	1.000	25.4001



**For reference only, use precise instruments for exact measurements*

PLUGS & JACKS

Refer to the following plug and jack compatibility diagrams when ordering parts. Part numbers and descriptions on the following pages. Please note the diagrams shown here are for representational purposes only and are not displayed to scale.

TABLE 1.

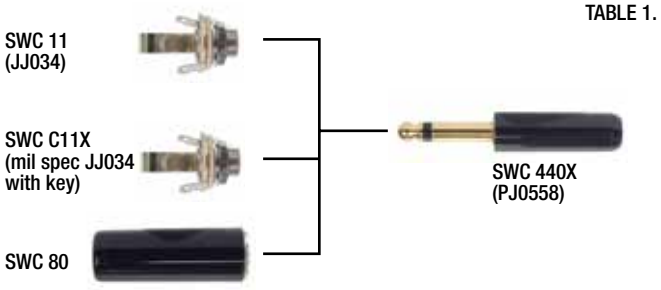


TABLE 2.

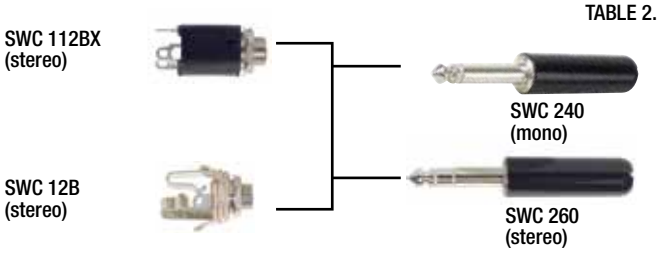


TABLE 3.

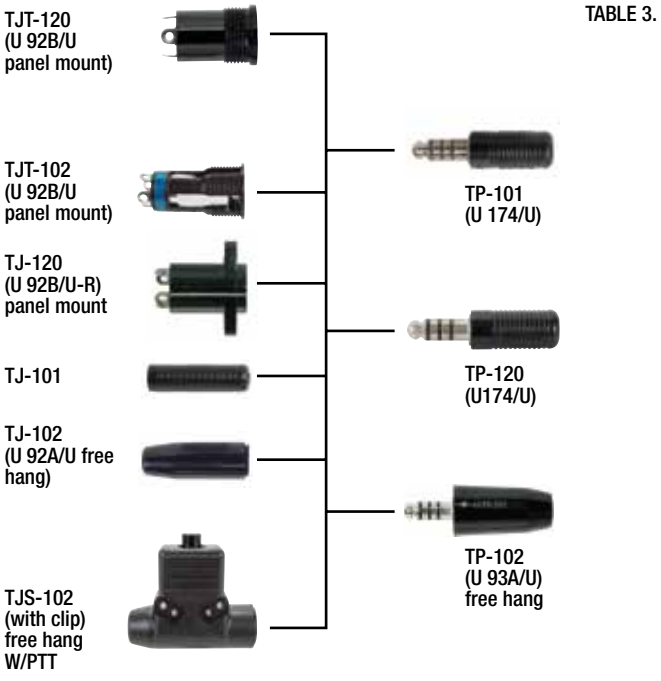


TABLE 4.

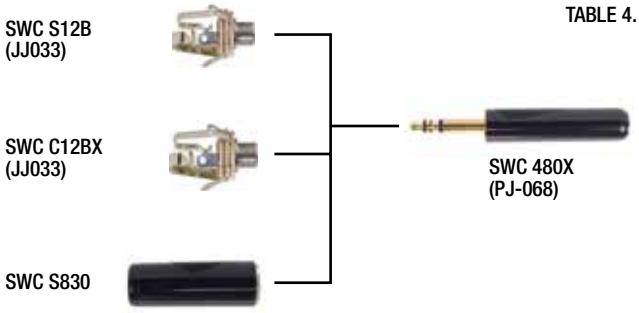


TABLE 5.

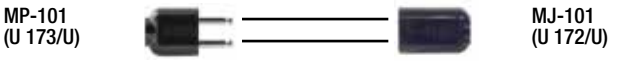


TABLE 6.



TABLE 7.



TABLE 8.



TABLE 1

EDMO#	MFR#	DESCRIPTION
SWC 11	11	JJ034 headphone jack/mono
SWC C11X	SWC C11X	JJ034 phone jack/RoHS compliant
SWC 80	80	JJ034 inline jack/ or VE055
SWC 88	88	1/4" extension jack | 2-connector
SWC 440X	440X	PJ055B headphone plug/RoHS compliant

TABLE 2

EDMO#	MFR#	DESCRIPTION
SWC 112BX	112BX	Stereo headphone
SWC 12B	12B	Stereo headphone jack
SWC 240	240	1/4 Mono 2 conductor cable mount plug
SWC 260	260	1/4 Stereo phone jack

TABLE 3

EDMO#	MFR#	DESCRIPTION
TJ-101	TJ-101	4 conductor telephone jack
TJ-102	TJ-102	U92A/u inline jack
TJ-120	TJ-120	Commercial flag rear mount jack
TJS-102	TJS-102	U94A/U jack with clip & PTT
TJT-102	TJT-102	Threaded telephone jack
TJT-120	TJT-120	U92B/U front mount jack
TJT-120MS	TJT-120MS	Mic & phone jack housing/ female black
TJT-125	TJT-125	Mates with TP-105
TP-101	TP-101	U174/U plug
TP-102	TP-102	U93A/U plug
TP-105	TP-105	Mates w TJ-105 & TJ-125
TP-120	TP-120	4 conductor telephone plug

TABLE 4

EDMO#	MFR#	DESCRIPTION
SWC 480X	480X	PJ068 microphone plug/ROHS compliant
SWC S12B	S12B	JJ033 microphone jack
SWC C12BX	C12BX	JJ033 mic jack/mil-spec/key
SWC S830	SWC S83	JJ033 inline jack/or VE068J

TABLE 5

EDMO#	MFR#	DESCRIPTION
MJ-101	MJ-101	U172/U microphone jack
MP-101	MP-101	U173/U microphone plug

TABLE 6

EDMO#	MFR#	DESCRIPTION
27-655	27-655	Mini stereo jack
27-060	27-060	Mini stereo plug

TABLE 7

EDMO#	MFR#	DESCRIPTION
SWC 41	41	Mini phone jack/mono
SWC 750	750	Mini phone plug/mono

TABLE 8

EDMO#	MFR#	DESCRIPTION
SWC 515X	515X	Jack cover/spring loaded/black
SWC S10221	S10221	Metal washer for JJ033/JJ034
SWC S1027	P10001	P10001/nut for JJ jacks
SWC S1028	s1028	Insulated flat washer
SWC S1029	S1029	Insulated shoulder washer
TJT-120-2	TJT-120-2	Nut for TJT-120
TJT-120-3	TJT-120-3	Washer for TJT-120

INTERCOM INSTALL KITS



IC-KIT



IC-KIT STE

EDMO#	MFR#	TYPE	KIT INCLUDES
IC-KIT	IC-KIT	Mono	4 ea: SWC 11 and SWC S12B jacks 8 ea: SWC S1028 and SWC S1029 washers
IC-KIT STE	IC-KIT STE	Stereo	4 ea: SWC 12B and SWC S12B jacks 8 ea: SWC S1028 and SWC S1029 washers

BANANA PLUGS

CAL TEST ELECTRONICS INC

Solderless, set screw connection banana plugs. Comes in packs of 10.

EDMO#	MFR#	COLOR
CT2631-0	CT2631-0	Black
CT2631-2	CT2631-2	Red
CT2631-4	CT2631-4	Yellow
CT2631-6	CT2631-6	Blue



BANANA PLUGS

EDMO#	MFR#	COLOR
1080302001	108-0302-001	Red
1080902001	108-0902-001	Red
1080303001	108-0303-001	Black
1080903001	108-0903-001	Black
1080307001	108-0307-001	Yellow
1080304001	108-0304-001	Green



POMONA BANANA JACKS

EDMO#	MFR#	COLOR
6387ST-T-0	6387ST-T-0	Black–10pk
6387ST-T-2	6387ST-T-2	Red–10pk



DRJ45 DUST COVER

DEKLIN TECHNOLOGIES
EDMO#: RJ45DC4L
MFR#: RJ45-DC-4L



This protective cover protects the sensitive internal components of RJ45 ports from damage and debris to the open port when not in use.

1/4-INCH ENCLOSED PHONE JACK

SWITCHCRAFT
EDMO#: SWC L112BX
MFR#: L112BX



Hi-D Jax 2- and 3-conductor enclosed phone jacks are ideal for panel, chassis and PC board mounting. The molded housing protects springs, provides mechanical and electrical reliability, minimizes leakage and provides low capacity between springs. Mounts on 0.625-inch minimum centers in rows or arrays. Available in 0.25 or 0.21 inch inside diameter bushing types, metal or thermoplastic bushings (for insulated mounting), insulated Hi-D Jax jacks are specifically designed for in-circuit (insulated) mounting from mounting surface and have fully protected enclosed internal sleeve feature. Solder lugs or PC terminals may be selected.

JACK HOUSINGS

JACK HOUSINGS

Durable aluminum surface and flush-mounted housings. Available in plain aluminum or with a powder coated finish. Surface-mounted jack housings provide an attractive, tidy cover for mic and phone jacks. Flush mount jack housings keep plugs out of the way with a recessed design that creates a finished, custom look in the cabin (sold with clamp and mounting screw—no jack hardware).

- Aluminum construction
- Mounts with 2 or more holes have 1 inch between hole centers



Surface-Mounted, Black Wrinkle



Flush Mounted, Beige Wrinkle

EDMO#	MFR#	HOLES	COLOR	DIMENSIONS	HOLE DIAMETER (IN)
SURFACE MOUNTED					
FAP08-3ANH	FAP08-3ANH	none	Plain aluminum	2.9 × 3.56 × 1.06 in	-
FAP 08-16	FAP 08-16	1	Plain aluminum	2.9 x 3.56 x 1.06 in	0.562 x 0.500
AG-JH1	FAP 08-1	2	Black wrinkle	2.9 × 3.56 × 1.06 in	0.380
AG-JH2	FAP 08-2	2	Beige powder coat wrinkle	2.9 × 3.56 × 1.06 in	0.380
AG-JH3	FAP 08-3	2	Plain aluminum	2.9 × 3.56 × 1.06 in	0.380
AG-JH10	FAP-08-15	3	Plain aluminum	3.75 × 5 × 1.13 in	0.380
AG-JH5	FAP 08-7	4	Black powder coat wrinkle	3.75 × 5 × 1.13 in	0.380
AG-JH6	FAP 08-8	4	Beige powder coat wrinkle	1.13 x 3.75 x 5 in	0.380
AG-JH7	FAP 08-9	4	Plain aluminum	1.13 x 3.75 x 5 in	0.380 in
FAP 08-17	FAP 08-17	(2) standard (1) Bose	Plain aluminum	3.9 x 4.9 x 1.06 in	0.380, 0.562 x .500 in
FLUSH MOUNTED					
AG-JH4	FAP 08-4	2	Black powder coat wrinkle	2.9 x 3.56 x 1.06 in	0.380
AG-JH8	FAP 08-5	2	Beige powder coat wrinkle	2.9 x 3.56 x 1.06 in	0.380
AG-JH9	FAP 08-6	2	Plain aluminum	2.9 x 3.56 x 1.06 in	0.380

BOSE JACK HOUSINGS

These housings are specfic to BOSE jacks with surface mounting; mount with four small screws.

- Aluminum construction





EDMO#	MFR#	HOLES	COLOR
SURFACE MOUNTED			
FAP08291SA	FAP 08-29-1SA	1 Bose	Plain aluminum
FAP08291SB	FAP 08-29-1SB	1 Bose	Black wrinkle
FAP08292SA	FAP 08-29-2SA	2 Bose	Plain aluminum
FAP08292SB	FAP 08-29-2SB	2 Bose	Black wrinkle
FAP08292SE	FAP 08-29-2SBE	2 Bose	Beige wrinkle

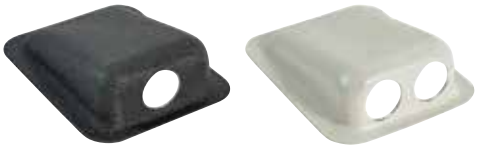
*continued on next page

EDMO#	MFR#	HOLES	COLOR
RECESSED MOUNTED			
FAP08291RA	FAP 08-29-1RA	1 Bose	Plain aluminum
FAP08291RB	FAP 08-29-1RB	1 Bose	Black wrinkle
FAP08291RE	FAP 08-29-1RBE	1 Bose	Beige wrinkle
FAP08292RA	FAP 08-29-2RA	2 Bose	Plain aluminum
FAP08292RB	FAP 08-29-2RB	2 Bose	Black wrinkle
FAP08292RE	FAP 08-29-2RBE	2 Bose	Beige wrinkle

NEXUS TJT-120 JACK HOUSING

Designed to house Nexus mic and phone jacks with durable, 0.040-inch thick aluminum with either a powder coat finish or no finish. These housings are for surface mounting; mount with four small screws.

- Aluminum construction



EDMO#	MFR#	HOLES	COLOR	DIMENSIONS (IN)	HOLE DIAMETER (IN)
FAP 08-20	FAP 08-20	1	Black powder coat wrinkle	2.9 x 3.56 x 1.06	0.687
FAP 08-21	FAP 08-21	1	Beige powder coat wrinkle	2.9 x 3.56 x 1.06	0.687
FAP 08-14	FAP 08-14	2	Black powder coat wrinkle	2.9 x 3.56 x 1.06	0.687
FAP 08-18	FAP 08-18	2	Beige powder coat wrinkle	2.9 x 3.56 x 1.06	0.687
FAP08-10	FAP 08-10	4	Black powder coat wrinkle	3.8 x 4.9 x 1.06	0.380
FAP 08-11	FAP 08-11	4	Beige powder coat wrinkle	3.8 x 4.9 x 1.06	0.380

UNDER PANEL JACK MOUNTS

These mic and phone jack brackets provide a 90-degree angle mount for under-dash use. This sturdy design has formed sides to hide wires and is constructed with 0.063-inch thick, heat-treated aluminum with a tough black wrinkle powder coat finish.

- Aluminum construction
- Mounts with 2 or more holes; have 1 inch between hole centers



EDMO#	MFR#	HOLES	COLOR	DIMENSIONS	HOLE DIAMETER (IN)
AG-JM1	FAP 09-1	1	Black powder coat wrinkle	1.5 x 1.5 x 1.0 in	0.380
AG-JM2	FAP 09-2	2	Black powder coat wrinkle	2.3 x 1.5 x 1.0 in	0.380
AG-JM3	FAP 09-3	4	Black powder coat wrinkle	4.5 x 1.5 x 1.0 in	0.380
AG-JM4	FAP 09-4	4	Black powder coat wrinkle	2.3 x 2.5 1.0	0.380



AIRCRAFT SPARK PLUG TRAY

EDMO# FAP-12
MFR# FAP 12



Aircaft spark plug tray can hold up to 12 spark plugs, each hole is stamped with the cylinder number for easy identification for avoiding mix-ups. A telescopic handle allows for easy storage or carrying. A must have for aircraft owners and mechanics.

- Dimensions: 4.0 x 8.0 x 2.6 in
- Constructed from 18 gauge steel with power coat finish

CIGARETTE LIGHTER RECEPTACLE

EDMO# FAP 09-5
MFR# FAP 09-5



Bracket for cigarette lighter receptacle under the panel. Provides a place to plug in GPS, light or tire pump, etc. Powder coated with black wrinkle paint over aluminum.

- Dimensions: 2.5 x 1.5 x 1.0 in with a 0.875 in diameter hole

JACK & CONNECTOR HOUSING/BLACK

EDMO# AVB
MFR# AVB



This ashtray mountable mic and phone jack housing can adapt to most ashtrays found in Cessna, Beech, Piper, Mooney, and Rockwell aircraft. Made from injection molded, high impact black plastic.

- Dimensions: 3 x 3.25 in

CIRCUIT BREAKERS & ACCESSORIES

7277 SERIES

KLIXON



7277-2

The Klixon 7277 series circuit breakers are meant for use in applications that do not require military approvals. The trip-free 7277 was originally developed as an alternative to slow blow fuses and is used extensively as primary electrical circuit protection on general aviation aircraft. The military grade version of this circuit breaker is the physically and electrically identical Klixon 7274-2, which has wider calibration limits.

- Miniature size and lightweight
- Trip-free design
- High vibration resistance
- Typical use: computers, construction, data processing and telecommunications equipment, flight simulators, general aviation aircraft, materials handling, trainers, and simulators where all breakers are operated on low ampere control current

Weight:	28 grams max.
Current rating:	0.5 to 20 amps
Vibration:	10 G minimum, 50–500 Hz
Mechanical shock:	35 G
Acceleration:	10 G
Interrupt current:	0.5–5 amps: unlimited at 28 VDC 7.5–15 amps: 2,000 amps at 28 VDC 0.5–1.5 amps: unlimited at 120 VAC, 400 Hz 2-5 amps: 800 amps at 120 VAC, 400 Hz 7.5–20 amps: 500 amps at 120 VAC, 400 Hz
Endurance:	2,500 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 30 VDC inductive 5,000 cycles: 30 VDC resistive 10,000 cycles: mechanical, no load

EDMO#	MFR#	AMP RATING
7277-2-1/2	7277-2-1/2	0.5
7277-2-3/4	7277-2-3/4	0.75
7277-2-1	7277-2-1	1
7277-2-1.5	7277-2-1.5	1.5
7277-2-2	7277-2-2	2
7277-2-2.5	7277-2-2 1/2	2.5
7277-2-3	7277-2-3	3
7277-2-4	7277-2-4	4
7277-2-5	7277-2-5	5
7277-2-7.5	7277-2-7 1/2	7.5
7277-2-10	7277-2-10	10
7277-2-15	7277-2-15	15
7277-2-20	7277-2-20	20
7277-5-1/2	7277-5-1/2	0.5
7277-5-.75	7277-5-3/4	0.75
7277-5-1	7277-5-1	1
7277-5-2	7277-5-2	2
7277-5-2.5	7277-5-2.5	2.5
7277-5-3	7277-5-3	3
7277-5-4	7277-5-4	4
7277-5-5	7277-5-5	5
7277-5-7.5	7277-5-7 1/2	7.5
7277-5-10	7277-5-10	10
7277-5-15	7277-5-15	15
7277-5-20	7277-5-20	20
7277-5-25	7277-5-25	25
ACCESSORIES		
7277-2-NUT	7277-2	7277-2 series hardware kit
75838-1	75838-1	7277 hardware plug

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7274 SERIES

KLIXON

The Klixon 7274 series circuit breakers are small, lightweight, low amperage devices that protect aerospace cable and components in airborne vehicles and equipment. The commercial grade version of this circuit breaker is the Klixon 7277 series, which is physically and electrically identical to the 7274-2 except that the 7277 has wider calibration limits. The 7274 is available in standard ratings from 1/2 to 20 amps and has a trip–free, indicating reset button. A "wiping action" contact design provides low voltage drop, faster trip time, and high reliability in low voltage applications. They are available in standard ratings from 1/2 to 20 amps.



7274-2

- Lightweight and uses minimum space
- Trip-free
- MIL-C-5809 qualified
- High vibration resistance
- Typical use: military airborne vehicle and equipment protection

Weight:	7274-2 (MS 26574): 28 grams max. 7274-4 (MS 26574 A): 28 grams max. 7274-11 (MS 22073): 33 grams maxi. 7274-69 (MS 22073V): 33 grams 7274-70 (MS 26474L): 33 grams
Current rating:	0.5 to 20 amps
Vibration:	10 G minimum, 50-500 Hz
Mechanical shock:	35 G
Acceleration:	10 G
Interrupt current:	0.5–5 amps: unlimited at 28 VDC 7.5–15 amps: 2,000 amps at 28 VDC 0.5–1.5 amps: unlimited at 120 VAC, 400 Hz 2–5 amps: 800 amps at 120 VAC, 400 Hz 7.5–20 amps: 500 amps at 120 VAC, 400 Hz
Endurance:	2,500 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 30 VDC inductive 5,000 cycles: 30 VDC resistive 10,000 cycles: mechanical, no load

EDMO#	MFR#	MIL-SPEC	AMP RATING
7274-2-.5	7274-2-1/2	MS26574-.5	0.5
7274-2-.75	7274-2-.75	MS26574-.75	0.75
7274-2-1	7274-2-1	MS26574-1	1
7274-2-1.5	7274-2-1 1/2	MS26574-1.5	1.5
7274-2-2	7274-2-2	MS26574-2	2
7274-2-2.5	7274-2-2 1/2	MS26574-2.5	2.5
7274-2-3	7274-2-3	MS26574-3	3
7274-2-4	7274-2-4	MS26574-4	4
7274-2-5	7274-2-5	MS26574-5	5
7274-2-7.5	7274-2-7 1/2	MS26574-7.5	7.5
7274-2-10	7274-2-10	MS26574-10	10
7274-2-15	7274-2-15	MS26574-15	15
7274-2-20	7274-2-20	MS26574-20	20
7274-4-1/2	7274-4-1/2	MS26574-1/2A	0.5
7274-4-2	7274-4-2	MS26574-2A	2
7274-4-5	7274-4-5	MS26574-	5
7274-4-7.5	7274-4-7.5	-	7.5
7274-4-10	7274-4-10	MS26574-	10
7274-4-15	7274-4-15	-	15
7274-4-20	7274-4-20	-	20
7274-11-.5	7274-11-1/2	MS22073-1/2	0.5
7274-11.75	7274-11-.75	MS22073-3/4	0.75
7274-11-1	7274-11-1	MS22073-1	1
7274-111.5	7274-11-1.5	MS22073-1 1/2	1.5
7274-11-2	7274-11-2	MS22073-2	2
7274-112.5	MS22073-2 1/2	MS22073-2 1/2	2.5
7274-11-3	7274-11-3	MS22073-3	3
7274-11-4	7274-11-4	MS22073-4	4
7274-11-5	7274-11-5	MS22073-5	5
7274-11-75	7274-11-71/2	MS22073-7.5	7.5
7274-11-10	7274-11-10	MS22073-10	10
7274-11-15	7274-11-15	MS22073-15	15
7274-11-20	7274-11-20	MS22073-20	20
ACCESSORIES			
7274-2-NUT	7274-2-NUT	7274-2 series hardware	
29007-11	29007-11	7274-11 series nut & washer	

7270 & 7271 SERIES

KLIXON

Klixon 7270 and 7271 series circuit breakers use less space behind the panel while protecting wire and cable in aircraft and ground support equipment on 120 VAC, 400 Hz or 30 VDC systems. The Klixon disc element is resistant to shock and vibration and can be calibrated within close tolerances throughout the service life of the breaker.



7270-1

- Trip-free operation
- Snap-acting thermal element
- Small size and lightweight
- MIL-C-5809 qualified
- High interrupting capacity
- Available with neck mounting (7270-1 and 7271-8 devices) or standard cover plate (7270-7 and 7271-3 devices)
- Typical use: aircraft and ground support equipment



7271-8

Weight:	39 grams max.(7270-1 and 7271-8)
Current rating:	3 to 35 amps
Vibration:	10 G minimum, 50-500 Hz
Mechanical shock:	30 G
Acceleration:	10 G
Interrupt current:	4,000 amps at 30 VDC 3,500 amps at 120 VAC, 400 Hz
Endurance:	5,000 cycles: 120 VAC 400 Hz, inductive 5,000 cycles: 120 VAC 400 Hz, resistive 5,000 cycles: 30 VDC, inductive 2,500 cycles: 30 VDC, resistive 5,000 cycles: mechanical, no load

EDMO#	MFR#	MIL-SPEC	AMP RATING
7270-1-3	7270-1-3	MS24509-A-3	3
7270-1-5	7270-1-5	MS24509-A-5	5
7270-1-7.5	7270-1-7.5	MS24509-A-7 1/2	7.5
7270-1-10	7270-1-10	MS24509-A-10	10
7270-1-15	7270-1-15	MS24509-A-15	15
7270-1-20	7270-1-20	MS24509-A-20	20
7270-1-25	7270-1-25	MS24509-A-25	25
7270-1-30	7270-1-30	MS24509-A-30	30
7270-1-35	7270-1-35	MS24509-A-35	35
7270-5-3	7270-5-3	-	3

EDMO#	MFR#	MIL-SPEC	AMP RATING
7270-5-5	7270-5-5	-	5
7270-5-7.5	7270-5-7.5	-	7.5
7270-5-10	7270-5-10	-	10
7270-5-15	7270-5-15	-	15
7270-5-20	7270-5-20	-	20
7270-5-25	7270-5-25	-	25
7270-5-30	7270-5-30	-	30
7270-5-35	7270-5-35	-	35
7271-3-3	7271-3-3	MS24510-B-3	3
7271-3-5	7271-3-5	MS24510-B-5	5
7271-8-3	7271-8-3	MS24510-A-3	3
7271-8-5	MS24510-A-5	MS24510-A-5	5
7271-8-7.5	7271-8-7 1/2	MS24510-A-7 1/2	7.5
7271-8-10	7271-8-10	MS24510-A-10	10
7271-8-15	7271-8-15	MS24510-A-15	15
7271-8-20	7271-8-20	MS24510-A-20	20
7271-8-25	7271-8-25	MS24510-A-25	25
7271-8-30	7271-8-30	MS24510-A-30	30
7271-8-35	7271-8-35	MS24510-A-35	35
7271-8-50	7271-8-50	-	50

15TC SERIES

KLIXON



The KLIXON three-phase 15TC series circuit breaker was designed to meet the package size and performance requirements of inactive military standard MS90351 in the 20 to 50 amp range. This lightweight, high performance, non-ambient temperature compensated breaker is well suited for aircraft, avionics and electrical systems.

- Non-ambient compensated
- Trip–free design
- Current rating: 20 to 50 amps

EDMO#	MFR#	AMP RATING
15TC30-25	15TC30-25	25
15TC30-50	15TC30-50	50

6TC2 SERIES CIRCUIT BREAKER

KLIXON
EDMO# 6TC2-2
MFR# 6TC2-2



The 6TC2 Series ambient compensated circuit breakers provide a three-phase design in a lightweight and miniature package. The three-phase design integrates each individual phase to provide over current protection in the event of simultaneous or unbalanced overloads including short circuit protection. The 6TC series are compatible with the single phase 2TC and 3TC counter parts. The 6TC circuit breakers are available in ratings from 1 amp to 35 amp with military and commercial approval on most styles.

- Protective shielding between each phase terminal
- Pads for increased mounting security
- Ambient temperature compensation
- Trip-free design
- High short circuit capacity

Weight:	65 g, max.
Dimensions:	1.84 x 1.381 x 0.781 in, max.
Current Rating:	2 Amps
Vibration:	10G, minimum (50–500Hz)
Mechanical shock:	50G
Acceleration:	10G
Interrupt current:	2–20 amps: 2000 amps at 120 VAC, 400 Hz 15–35 amps: 2000 amps at 120 VAC, 400 Hz
Endurance:	2500 cycles: 120 VAC, 400 Hz (inductive) 5000 cycles: 120 VAC, 400 Hz (resistive) 5000 cycles: mechanical, no load
Qualifications:	MS14154

CIRCUIT BREAKER BOOT

EDMO# 14500-5
MFR# 14500-5

Klixon water resistant panel seal boot, fits 7274--2, 7277-2, 2TC2 , 2TC14 and other aircraft and mil spec circuit breakers with a 7/16"" brushing. Circuit breaker not included. Durable silicon over-molded seal.

5TC50 SERIES

KLIXON
EDMO# 5TC50-50
MFR# 5TC50-50



The 5TC series encompasses 20-50 amp, single-phase, miniature ambient compensated breakers. Ambient compensated circuit breakers permit system designers to specify smaller gauge wire where the circuit breaker and wiring are exposed to varying temperatures. Provides current ratings from 20 to 50 amps.

- Miniature size and lightweight
- Single–phase
- Ambient compensated
- Trip–free design
- High vibration resistance & high interrupting capacity
- Options include: standard or auxiliary switch configuration, terminal barriers

Weight:	Standard device: 53 grams (no hardware), 58 grams (hardware) Auxiliary device: 55 grams (no hardware), 59 grams (hardware)
Current rating:	20 to 50 amps
Vibration:	10 G minimum 80–500 Hz (other vibration levels available)
Mechanical shock:	50 G
Acceleration:	10 G
Interrupt current:	20–50 amps: 4000 amps at 28 VDC 20–50 amps: 2000 amps at 115 VAC, 400 Hz
Endurance:	2500 cycles: 115 VAC, 400 Hz inductive 2500 cycles: 28 VDC inductive 2500 cycles: 28 VDC resistive 5000 cycles: Mechanical, no load

5TC7 SERIES

KLIXON



5TC7-25

The 5TC series encompasses 20-50 amp, single-phase, miniature ambient compensated breakers. Ambient compensated circuit breakers permit system designers to specify smaller gauge wire where the circuit breaker and wiring are exposed to varying temperatures. Provides current ratings from 20 to 50 amps.

- Miniature size and lightweight
- Single–phase
- Ambient compensated
- Trip–free design
- High vibration resistance & high interrupting capacity
- Options include: standard or auxiliary switch configuration, terminal barriers
- Typical use: Aircraft, avionics and electronic systems

Weight:	Standard device: 53 grams (no hardware), 58 grams (hardware) Auxiliary device: 55 grams (no hardware), 59 grams (hardware)
Current rating:	20 to 60 amps
Vibration:	10 G minimum 80–500 Hz (other vibration levels available)
Mechanical shock:	50 G
Acceleration:	10 G
Interrupt current:	20–50 amps: 4000 amps at 28 VDC 20–50 amps: 2000 amps at 115 VAC, 400 Hz
Endurance:	2500 cycles: 115 VAC, 400 Hz inductive 2500 cycles: 28 VDC inductive 2500 cycles: 28 VDC resistive 5000 cycles: Mechanical, no load

EDMO#	MFR#	AMP RATING
5TC7-25	5TC7-25	25
5TC7-40	5TC7-40	40
5TC7-50	5TC7-50	50
5TC7-60	5TC7-60	60

3TC14 SERIES

KLIXON



3TC14-30

The 3TC series encompasses 15-35 amp, single-phase, miniature ambient compensated breakers. Ambient compensated circuit breakers permit system designers to specify smaller gauge wire where the circuit breaker and wiring are exposed to varying temperatures. Their ratings are coordinated so that, in the event of a fault of up to 6,000 amps let–through current, any rating will trip before another circuit breaker twice its rating. This results in improved overall equipment performance since only the smallest faulted circuit is interrupted, while larger circuits remain operational. Provides current ratings from 15 to 35 amps.

- Trip-free design
- AS58091 qualified (MS25244)
- High vibration resistance & high interrupting capacity
- Typical use: Where ambient temperature exceeds the 160F (71C) maximum of non-ambient compensated thermal circuit breakers

Weight:	36 g (max)
Current rating:	15 to 35 A
Vibration:	10 G minimum 50–500 Hz (other vibration levels available)
Mechanical shock:	50 G
Acceleration:	10 G
Interrupt current:	15–35 A: 6,000 A at 28 VDC 15–35: 2,000 A at 120 VAC, 400 Hz 25 A: 1,800 A at 120 VAC, 400 Hz
Endurance:	2,500 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 30 VDC inductive 5,000 cycles: 30 VDC resistive 10,000 cycles: mechanical, no load

EDMO#	MFR#	AMP RATING
3TC14-30	3TC14-30	30
3TC14-35	3TC14-35	35

3TC7 SERIES

KLIXON



3TC7

The Klixon 3TC7 style circuit breakers are single-phase, non-ambient compensated circuit breakers that provide high short circuit interrupting capacity. The series features a trip–free design that prevents the circuit breaker from being closed manually on overloads.

- Miniature size and lightweight
- Trip-free design
- AS58091 qualified (MS25244)
- High vibration resistance
- High interrupt capacity: interrupting a 6,000A circuit at 30VDC, or 3,500A circuit at 120VAC, 400 Hz
- Typical use: aircraft, avionics and electrical systems

Weight:	38.9 grams
Current rating:	5 to 35 amps
Vibration:	10 G
Mechanical shock:	30 G at peak
Acceleration:	10 G
Interrupt current:	1–20 amps: 6,000 amps at 28 VDC 25 amps: 1,625 amps at 28 VDC 3–15 amps: 2,500 amps at 120 VAC, 400 Hz 20 amps: 2,000 amps at 120 VAC, 400 Hz 25 amps: 1,800 amps at 120 VAC, 400 Hz 15–35 amps: 2,000 amps at 120 VAC, 400 Hz
Endurance:	2,500 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 30 VDC, 400 Hz inductive 5,000 cycles: 30 VDC, 400 Hz resistive

EDMO#	MFR#	MIL-SPEC	AMP RATING
3TC7-5	3TC7-5	MS25244-5	5
3TC7-7.5	3TC7-7 1/2	MS25244-7.5	7.5
3TC7-10	3TC7-10	MS25244-10	10
3TC7-15	3TC7-15	MS25244-15	15
3TC7-20	3TC7-20	MS25244-20	20
3TC7-25	3TC7-25	MS25244-25	25

EDMO#	MFR#	MIL-SPEC	AMP RATING
3TC7-30	3TC7-30	MS25244-30	30
3TC7-35	3TC7-35	MS25244-35	35

3TC2 SERIES
KLIXON

The 3TC series encompasses 15-35 amp, single-phase, miniature ambient compensated breakers. Ambient compensated circuit breakers permit system designers to specify smaller gauge wire where the circuit breaker and wiring are exposed to varying temperatures. Their ratings are coordinated so that, in the event of a fault of up to 6,000 amps let–through current, any rating will trip before another circuit breaker twice its rating.



3TC2

- Miniature size and lightweight
- Trip–free design
- High vibration resistance & high interrupting capacity
- AS58091 qualified (also: military approvals, FAA PMA)
- High interrupting capacity
- Typical end use: aircraft power distribution systems

Weight:	36 grams max.
Current rating:	15 to 35 amps
Vibration:	10 G minimum 50–500 Hz (other vibration levels available)
Mechanical shock:	50 G
Acceleration:	10 G
Interrupt current:	15–35 amps: 6,000 amps at 28 VDC 15–35: 2,000 amps at 120 VAC, 400 Hz
Endurance:	2,500 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 30 VDC inductive 5,000 cycles: 30 VDC resistive 10,000 cycles: mechanical, no load

EDMO#	MFR#	MIL-SPEC	AMP RATING
3TC2-25	3TC2-25	MS14105-25	25
3TC2-30	3TC2-30	MS14105-30	30
3TC2-35	3TC2-35	MS14105-35	35

3TC12 SERIES
KLIXON
EDMO# 3TC12-30
MFR# 3TC12-30

The 3TC12 series single-phase circuit breakers provide reliable state-of-the-art circuit protection for aerospace power systems. The compact and lightweight design makes these circuit breakers well suited for aircraft avionics and electronic systems. The 3TC series ratings is coordinated so any rating will trip before another rating twice its capacity in the event of a fault. Ambient temperature compensation allows the 3TC circuit breakers to operate where temperatures exceeds the 160°F maximum of non–ambient compensated thermal circuit breakers and may also operate in temperatures as high as 150°F without derating the circuit breaker while eliminating the need for added cooling. The 3TC circuit breakers are available in 15 to 35 amperes circuits remain operational. Provides current ratings from 15 to 35 amps.



3TC2

- Compact size and weight
- Trip-free design
- 1 to 25 Amp current rating
- High vibration resistance
- High interrupting capacity up to 6,000 amps at 28 VDC and 3,500 amps 120 VAC, 400 Hz
- Typically used on aircraft power distribution systems
- AS58091 qualified as well as military approvals, and FAA PMA

Weight:	36 g (maximum)
Vibration:	10G (minimum) 50-500Hz
Mechanical shock:	50G
Acceleration:	10G
Endurance:	2,500 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 30 VDC inductive 5,000 cycles: 30 VDC resistive 10,000 cycles: Mechanical, no load

2TC SERIES
KLIXON

The 2TC series encompasses 1-25 amp, single-phase, miniature ambient compensated breakers. Their ratings are coordinated so any rating will trip before another rating twice its capacity in the event of a fault of up to 6,000 amps let–thru current. This results in improved overall equipment performance since only the smallest faulted circuit is interrupted, while larger circuits remain operational.



2TC2

- Miniature size and lightweight
- Trip–free design
- High vibration resistance & high interrupting capacity
- AS58091 qualified (also: Military Approvals, FAA PMA)
- Typical end use: aircraft power distribution systems

Weight:	24 grams maximum (2TC14)
Current rating:	1 to 25 amps
Vibration:	10 G minimum 50–500 Hz (other vibration levels available)
Mechanical shock:	50 G
Acceleration:	10 G
Interrupt current:	1–20 amps: 6,000 amps at 28 VDC 25 amps: 1,625 amps at 28 VDC 1–15 amps: 2,500 amps at 120 VAC, 400 Hz 20 amps: 2,000 amps at 120 VAC, 400 Hz 25 amps: 1,800 amps at 120 VAC, 400 Hz
Endurance:	2,500 cycles: 120 VAC, 400 Hz inductive 5,000 cycles: 120 VAC, 400 Hz resistive 2,500 cycles: 30 VDC inductive 5,000 cycles: 30 VDC resistive 10,000 cycles: mechanical, no load

EDMO#	MFR#	MIL-SPEC	AMP RATING
2TC2-1	MS3320-1	MS3320-1	1
2TC2-2	2TC2-2	MS3320-2	2
2TC2-2 1/2	2TC2 1/2	MS3320-2 1/2	2.5
2TC2-3	2TC2-3	MS3320-3	3
2TC2-4	2TC2-4	MS3320-4	4
2TC2-5	2TC2-5	MS3320-5	5

*continued on next page

EDMO#	MFR#	MIL-SPEC	AMP RATING
2TC2-7.5	2TC2-7 1/2	MS3320-7 1/2	7.5
2TC2-10	2TC2-10	MS3320-10	10
2TC2-15	2TC2-15	MS3320-15	15
2TC2-20	2TC2-20	MS3320-20	20
2TC2-25	2TC2-25	MS3320-25	25
2TC2-30	2TC2-30	MS3320-30	30
2TC12-5	2TC12-5	-	5
2TC12-7.5	2TC12-7.5	-	7.5
2TC12-20	2TC12-20	-	20
2TC13-3	2TC13-3	-	3
2TC13-15	2TC13-15	-	15
2TC14 COMMERCIAL DESIGNATION			
2TC14-1	2tc14-1	-	1
2TC14-2	2TC14-2	-	2
2TC14-3	2TC14-3	-	3
2TC14-4	2TC14-4	-	4
2TC14-5	2TC14-5	-	5
2TC14-7.5	2TC14-7.5	-	7.5
2TC14-10	2TC14-10	-	10
2TC14-15	2TC14-15	-	15
2TC14-20	2TC14-20	-	20
2TC14-25	2TC14-25	-	25

6752-100 SERIES

KLIXON

Klixon 6752-100 series thermal–magnetic circuit breakers include current ratings ranging from 50 to 100 amps. The interrupting capacity, vibration resistance, and long cycling life of the 6752-100 series exceed military standards. The 6752- 100 series circuit breakers use ambient temperature compensation to maintain their performance capabilities by means of a thermal compensator in the temperature range of -40°C to 70°C. This series is able to interrupt four fault currents of 6,000 amperes - two at sea level and two at 60,000 ft. This can be accomplished on a 120 VAC, 400 Hz system or a 30 VDC system.



6752100-50

- Current ratings: 50-100 amps
- Proven reliability and performance of the 6752 series circuit breaker
- Trip-free design
- Circuit protection unaffected by temperature fluctuations
- MIL-C-5890 qualified
- Ambient compensated
- High vibration resistance
- High interrupting capacity: 6,000 amps
- Typical use: military

Weight:	113.6 grams (0.25 pound) max
Current rating:	50 to 100 amps
Vibration:	10 G minimum, 50–2,000 Hz
Mechanical shock:	30 G
Acceleration:	10 G
Interrupt current:	2.5–50 amps: 6,000 amps at 120 VAC, 400 Hz 2.5–50 amps: 4,200 amps at 120 VAC, 400 Hz
Endurance:	5,000 cycles: 120 VAC 400 Hz, inductive 5,000 cycles: 120 VAC 400 Hz, resistive 2,500 cycles: 28 VDC, 400 Hz inductive 5,000 cycles: 28 VDC, 400 Hz resistive 5,000 cycles: mechanical, no load

EDMO#	MFR#	MIL-SPEC	AMP RATING
6752100-50	6752-100-50	MS 25361-50	50
6752100-60	6752-100-60	MS 25361-60	60
6752100-70	6752-100-70	MS 25361-70	70
6752100-75	6752-100-75	MS 25361-75	75
6752100-80	6752-100-80	MS 25361-80	80
6752100-90	6752-100-90	MS 25361-90	90
6752100100	6752-100-100	MS 25361-100	100

E-T-A SERIES

E-T-A

These single-pole, high performance thermal circuit breakers have a tease-free, trip-free, snap action mechanism and push/pull, on/off manual actuation. An indicator band on the push button displays the tripped/off position. Threadneck panel mounted and available in tracked vehicle, aircraft, and general- purpose versions.

- Push/pull-on/off actuator
- Screw terminals
- Threadneck panel mount
- Black finish for aircraft application



413K14LN25

Current rating:	30 to 90 A (-LN2/-N2)
Voltage:	DC 28 V AC 115 V (400 Hz)
Typical life:	3,000 operations at 1 × 1N
Insulation coordination: (IEC 60664 and 60664A)	Rated impulse Withstand voltage 1.5 kV Pollution degree 3
Dielectric strength: (IEC 60664 and 60664A)	Test voltage AC 1,500 V
Operating area	
Insulation resistance:	>100 MΩ (DC 500 V)
Interrupting capacity Icn:	6,000 A
Interrupting capacity:	6,000 A (UL1077)
Degree of protection:	operating area IP40, terminal area IP00 (IEC 60529/DIN 40050)
Ambient temperature:	-55 to +75 °C (-67 to +167 °F)

EDMO#	MFR#	AMP RATING
412K14LN-5	412-K14-LN2-5A	5
K14LN2-40	413-K14-LN2-40	40
K14LN2-50	413-K14-LN2-50A	50
K14LN2-60	413-K14-LN2-60	60
K14LN2-70	413-K14-LN2-70A	70
K34LN2125A	452-K34-LN2-125A	125

W58 SERIES

TE CONNECTIVITY

Single pole thermal P&B circuit breaker with a push to reset actuator.

- Cannot be manually tripped
- Button extends for visual trip indication
- Push button to reset breaker
- Termination screw or 0.250 inches QC
- Bottom marked amperage rating optionally available



W58-3

Weight:	< 1.5 oz
Current rating:	0.5 to 30 amps
Vibration:	Withstands to 10 grams 10–55 Hz
Operating voltage, max:	50 VDC; 250 VAC
Interrupt current:	0.5–30 amps: 2,000 amps at 50 VDC 0.5–30 amps: 1,000 amps at 250 VAC
Endurance:	Over 1,000 cycles at 200% of rated load

EDMO#	MFR#	AMP RATING
W58-1	3-1393249-9	1
W58-2	4-1393249-2	2
W58-3	4-1393249-5	3
W58-4	4-1393249-8	4
W58-5	4-1393249-9	5
W58-7	5-1393249-0	7
W58-10	4-1393249-0	10
W58-15	4-1393249-1	15
W58-20	4-1393249-3	20
W58-25	4-1393249-4	25
W58-30	4-1393249-6	30

W31 SERIES

TE CONNECTIVITY

Thermal circuit breakers with a toggle actuator.

- Single pole, toggle
- Trip-free operation
- Termination type: 8-32 screws 90° to each other (screws and washers installed)



W31-10

Weight:	< 2 oz
Interrupt current:	0.5–50 amps: 1000 amps at 240 VAC 30–50 amps:1000 amps at 50 VDC
Operating voltage, max:	50 VDC or 240 VAC (to 400 Hz)
Endurance:	> 6,000 cycles at 100% of rating or 10,000 mechanical cycles

EDMO#	MFR#	AMP RATING
W31M-1	3-1393247-1	1
W31M-2	3-1393247-4	2
W31M-3	3-1393247-7	3
W31M-5	4-1393247-2	5
W31M-7.5	4-1393247-4	7.5
W31M-10	3-1393247-2	10
W31M-15	3-1393247-3	15
W31M-20	3-1393247-5	20
W31M-25	3-1393247-6	25
W31M-30	3-1393247-8	30
W31M-35	3-1393247-9	35
W31M-40	4-1393247-1	40
W31M-50	4-1393247-3	50
ACCESSORIES		
55-001B	55-001B	Hex nut

W23 SERIES

TE CONNECTIVITY

Thermal circuit breakers with push/pull actuators and a visible trip indicator band.

- Single pole, push/pull
- Visible trip indicator band
- Trip free operation
- Termination type: 8-32 screws 90° to each other (screws and washers installed)



W23-25

Weight:	< 2 oz
Interrupt current:	with 4X max series fuse protection 0.5–50 amps: 1,000 amps at 240 VAC 30–50 amps: 1,000 amps at 50 VDC without 4X max series fuse protection 0.5–25 amps: 2,000 amps at 50 VDC 10–20 amps: 2,000 amps at 120 VAC
Operating voltage, max:	50 VDC or 240 VAC (to 400 Hz)
Endurance:	> 6,000 cycles at 100% of rating or 10,000 mechanical cycles

EDMO#	MFR#	AMP RATING
W23-1	6-1393246-4	1
W23-2	6-1393246-7	2
W23-3	7-1393246-0	3
W23-5	7-1393246-5	5
W23-7.5	7-1393246-7	7.5
W23-10	6-1393246-5	10
W23-15	6-1393246-6	15
W23-20	6-1393246-8	20
W23-25	6-1393246-9	25
W23-30	7-1393246-1	30
W23-35	7-1393246-2	35
W23-40	7-1393246-4	40
W23-50	7-1393246-6	50

CIRCUIT BREAKER SAFETY LOCKS



Lockout rings prevent the inadvertent closing of circuit breakers connected to equipment that is under repair or removed from the aircraft. Easy to install and remove from Klixon and similar type circuit breakers. Safety locks come both with and without tags. BOEING proprietary part FAA-PMA approved and FAA standard "Maintenance Support Hardware" approved.

- Fits Klixon circuit breakers
- 2 × 3/4 in

EDMO#	MFR#	INCLUDES
S493959501	S4933959-501	Safety lock only
S493959521	S4933959-521	Lock with "remove before flight" flag
S493959531	S493959-531	Lock with "inoperative do not operate" flag

CIRCUIT BREAKER BUTTON CAPS

KLIXON

These color-coded circuit breaker caps can be easily installed and removed from Klixon and similar circuit breakers. The colored caps designate circuit breakers for flight check and other purposes. In addition, the caps greatly improve grip and don't shake loose and rattle like other caps.

- Available in 8 colors
- FAA-standard "Maintenance Support Hardware" approved

EDMO#	MFR#	COLOR
PE7000-1	PE7000-1	White
PE7000-2	PE7000-2	Orange
PE7000-3	PE7000-3	Red
PE7000-4	PE7000-4	Blue
PE7000-5	PE7000-5	Yellow
PE7000-6	PE7000-6	Black
PE7000-7	PE7000-7	Gray
PE7000-8	PE7000-8	Green
KITS		
PE7000-KIT	PE7000-KIT	Circuit breaker cap and flag kit (color coded)

ALL GLASS FUSES

LITTELFUSE INC



AGC-5

AG fuses, or "all glass" fuses vary in length, diameter, and amperage rating and have a voltage rating of 32V AC/DC.

- Sold in quantities of five

EDMO#	MFR#	AMP RATING
AGC-.5	AGC-.500	0.5
AGC-1	0AGC001.V	1
AGC-1.5	0AGC01.5V	1.5
AGC-2	0AGC002.V	2
AGC-2.5	AGC-2.5	2.5
AGC-3	0AGC003.V	3
AGC-4	0AGC004.V	4
AGC-5	0AGC005.V	5
AGC-6	0AGC006.V	6
AGC-7.5	0AGC07.5V	7.5
AGC-8	0AGC008.V	8
AGC-10	0AGC010.V	10
AGC-15	0AGC015.V	15
AGC-20	AGC-20	20
AGC-25	0AGC025.V	25
AGC-30	0AGC030.V	30
AGC-35	0AGC015.V	35

SLO-BLO GLASS FUSES

LITTELFUSE INC



V313-5

The Slo-Blo® fuses provide cost-effective, reliable individual protection for components and internal circuits. The Slo-Blo fuses eliminate guesswork and time-consuming circuit testing; when an over-current occurs, the fuse catalog number with the suffix "ID" is easy to identify upon the fuse opening with a discoloration of its glass body.

- 313 series are time-delay fuses that open after a few seconds of over current conditions
- Users can easily identify fuses after they've opened by the discoloration of their glass bodies
- Provide superior protection for inductive loads such as motors, transformers, and solenoids
- Sold in quantities of five
- Voltage rating: 250

EDMO#	MFR#	AMP RATING
V313-.5	V313-.5	0.5
V313-1	0313001.VXP	1
V313-2	V313-2	2
V313-3	0313003.VXP	3
V313-4	0313004.VXP	4
V313-5	V313-5	5
V313-10	0313010.VXP	10

FAST-ACTING GLASS FUSES

LITTELFUSE INC
EDMO# 312010P
MFR# 312010P



The 312 Series 3AG are Fast-Acting fuses that solve a broad range of application requirements while offering reliable performance and cost-effective circuit protection.

- In accordance with UL Standard 248-14
- RoHS compliant and Lead-free
- Cartridge style

GMC SERIES BUSS FUSE

LITTELFUSE INC
EDMO# GMC-10A
MFR# GMC-10A



GMC series buss fuses are a medium time-delay fuse with a low-breaking capacity. They are constructed with a nickel-plated end cap and a glass tube. Replaces fuses for VLS-25M and VLS-50M power supplies..

- Medium time-delay, low breaking capacity
- Glass tube with nickel-plated brass end cap construction
- Designed to UL/CSA 248-14

3AG FAST ACTING FUSE 10A

LITTELFUSE INC
EDMO# 0312010
MFR# 0312010.VXP



This 3AG fast-acting fuse is a 10 amp fuse and solves a broad range of application requirements while offering reliable performance and cost-effective circuit protection.

- In accordance with UL standard 248-14
- Available in cartridge and axial lead format and with various forming dimensions
- RoHS compliant and lead-free

FUSE HOLDERS



FHP-1



FNY-1



3453LF2A

EDMO#	MFR#	DESCRIPTION
FHP-1	0FHP001Z	Universal glass bayonet knob in-line fuse holder
FNY-1	0FNY0001ZXJ	Twist lock in-line fuse holder
155020U	01550020ZXU	Unassembled fuse holder
3453LF2A	03453LF2X	Panel mount fuse holder
342024	342024	Panel mount fuse holder for AG, F02, and F03 fuse types | 30 A & 250 V

RELAY/MS24178-D1

EDMO# 6041H219
MFR# 6041H219



This continuous duty, gasketed, powered relay has a non-latching solenoid design and operates at 28 VDC at 55 amp current.

CIRCUIT BREAKER HOLE PLUG

This circuit breaker plug is made of black nylon material and fits a 0.437-inch hole diameter with a panel thickness of up to 0.125-inch. The plug fills the panel cutout size of 7277 and 7274 series breakers.

- Quick and easy installation
- Convex matte finish head tapers to thin edge
- Locks firmly into panel
- Locking fingers in fractional increments up to the maximum panel thickness
- Black nylon

EDMO#	PANEL	HOLE DIA.	HEAD SIZE	COLOR	MATERIAL
2633	0.125 in	0.437 in	0.53 in	Black	Nylon

CHARGING PORTS & POWER OUTLETS

MAX POWER TA360 CHARGING PORTS

TRUE BLUE POWER



The TA360 Series is an ultra-fast charging portable to power new and future devices, delivering 60 watts of USB power per PD port. USB Power Delivery (PD) is the fastest charging technology available, providing 4 times more power than traditional USB-A and USB-C chargers.

- Compatible with USB-C PD, traditional USB-C and USB-A devices
- Charge one or two devices simultaneously at maximum power
- Short circuit, power surges, and over-temperature protection

Weight:	1.8 oz (51 g)
Dimensions:	1.5 x 1.03 x 2.0 in
Input voltage:	22–32 VDC
Input power:	USB-C PD; 66 W per port (maximum)
Output voltage:	USB-C PD; 5, 9, 15, 20 VDC per port (variable) USB-A; 5 VDC ± 0.2 per port
Output power:	USB-C PD; 60 W per port (maximum) USB-A; 15 W per port
Output current:	3.0 amps per port
USB connector:	Dual USB-C / USB-A configuration
Mating connector kit:	MCI P/N 9017960 (included)
Mounting:	Front or rear; faceplates and adapter plates (optional)
Installation:	In-seat, cabin, cockpit and galley
Certification:	FAA TSO-C71, EASA ETSO-C71, RTCA DO-160G

EDMO#	MFR#	DESCRIPTION
SINGLE PORT		
6430360-7	6430360-7	Type C | rear connector
6430360-17	6430360-17	Type C | rear connector, lighted

*continued on next page

CERTIFIED

MAX POWER USB CHARGERS



The most powerful USB chargers in aviation

Upgrade to the fastest charging, highest power USB charging ports. New **MAX Power Chargers** deliver up to 100 watts per port — that's 7 times more power than traditional chargers. The latest Power Delivery (PD) Technology and device-driven voltage output guarantee your electronics get the maximum power they need. You'll lock in the fastest, most efficient charging possible.

DATA PASSTHROUGH

7X MORE POWER

UP TO 100 WATTS PER PORT

trueblue powerusa.com

TRUE BLUE POWER®

EDMO#	MFR#	DESCRIPTION
DUAL PORT		
6430360-1	6430360-1	Type A & C | rear connector
6430360-11	6430360-11	Type A & C | rear connector, lighted
6430360-3	6430360-3	Type C & C | rear connector
6430360-13	6430360-13	Type C & C | rear connector, lighted
6430360-21	6430360-21	Type A & C | rear connector
ACCESSORIES		
9019313-1	9019313-1	USB Dust cover | black
9019313-2	9019313-2	USB Dust cover | gray
9019351-1	9019351-1	Rear mount faceplate | single, rectangular
9019384-3	9019384-3	Rear mount faceplate | single, circular
9019384-4	9019384-4	Rear mount faceplate | dual, circular

TA202 SERIES HIGH POWER USB CHARGING PORTS

TRUE BLUE POWER



The TA202 High Power USB Charging Port is a compact power source for in-seat, cabin, and cockpit use that provides USB-Type C and Type-A ports. This unit supplies 3 amps per port and is available in single and dual configurations.

- Charges 1-2 products simultaneously at full power and outputs 3 amp per port (5 VDC ± 0.25 output voltage)
- Provides short circuit protection, over-current, and over-temperature protection

Weight:	Single port: 0.8 oz | Dual port: 1.3 oz
Dimensions:	1.5 x 1.5 x 1.25 in
Input voltage:	10–32 VDC
Output voltage:	5 VDC ± 0.25 per port
Output current:	3.0 A per port
Charge port type:	USB Type-A and/or Type-C; single and dual
Certification:	FAA TSO-C71 certified, RTCA DO-160G qualified

EDMO#	MFR#	DESCRIPTION:
SINGLE PORT		
6430202-9	6430202-9	Type A | rear connector
6430202-10	6430202-10	Type A | bottom connector
6430202-19	6430202-19	Type A | rear connector, lighted
6430202-20	6430202-20	Type A | bottom connector, lighted
6430202-7	6430202-7	Type C | rear connector
6430202-8	6430202-8	Type C | bottom connector
6430202-17	6430202-17	Type C | rear connector, lighted
6430202-18	6430202-18	Type C | bottom connector, lighted
DUAL PORT		
6430202-5	6430202-5	Type A & A | rear connector
6430202-6	6430202-6	Type A & A | bottom connector
6430202-15	6430202-15	Type A & A | rear connector, lighted
6430202-16	6430202-16	Type A & A | bottom connector, lighted
6430202-1	6430202-1	Type A & C | rear connector
6430202-2	6430202-2	Type A & C | bottom connector
6430202-11	6430202-11	Type A & C | rear connector, lighted
6430202-12	6430202-12	Type A & C | bottom connector, lighted
6430202-3	6430202-3	Type C & C | rear connector
6430202-4	6430202-4	Type C & C | bottom connector

EDMO#	MFR#	DESCRIPTION:
6430202-13	6430202-13	Type C & C | rear connector, lighted
6430202-14	6430202-14	Type C & C | bottom connector, lighted
ACCESSORIES		
9017897	9017897	Front mount adapter for single port TA202
9017945	9017945	Circular rear mount installation kit
9017946	9017946	Front mount installation kit for TA102/TA202
9017947	9017947	Panel mount mounting kit for TA102/TA202
9017958	9017958	Rear mount mounting kit for TA202
9019313-1	9019313-1	USB Dust cover | black
9019313-2	9019313-2	USB Dust cover | gray
9019351-1	9019351-1	Rear mount faceplate | single, rectangular
9019384-3	9019384-3	Rear mount faceplate | single, circular
9019384-4	9019384-4	Rear mount faceplate | dual, circular

COCKPIT SELF-TEST SWITCH

TRUE BLUE POWER

EDMO# 9017176
MFR# 9017176



This Cockpit Self-Test Switch is for the TS835 Emergency Power Supply.

CHRONOS DIGITAL CLOCK/USB CHARGER

MID-CONTINENT INSTRUMENTS & AVIONICS



6420093-5

The CHRONOS (CH93) Series is a multi-function digital clock/chronometer/voltmeter/temperature unit with multiple options for USB Charging Ports. The unit fits into a standard, rear-mounted, 2-¼" avionics panel cutout. Power is drawn from the aircraft main bus to light a white, six digit, seven segment LED clock. The clock can display several different modes and optionally, bus voltage and up to two temperature inputs. The CH93 display is daylight readable with two methods of brightness control. It can be controlled automatically using the internal photocell or manually with an external dimming bus voltage. The CH93 clock has an internal battery to maintain clock time and flight timer memory when the aircraft is not in use.

The CH93 provides 3 amps per port. The Type A High Power (HP) USB ports provide a 5 volt output at 3 amps and the Type C Max Power USB-PD port provides 3 amps at 5, 9, 15, or 20 volts depending on the type and needs of the device. This provides enough power to charge any USB device, including the higher demand products.

- Eight modes: Local Time, UTC / Zulu Time, Flight Timer, Countdown Timer, Stopwatch, Volts, OAT and Secondary Air Temp
- Clock settings include 12- or 24-hour mode and seconds On or Off
- External lighting control and built-in photocell for automatic dimming
- Internal, field-replaceable battery maintains time and Flight Timer memory, without aircraft power
- Compact, 2-inch size fits standard panel cutout
- Protects itself and the charging device from short circuit, power surges and over-current potential

Weight:	0.3 lb
Dimensions:	2.39 x 2.39 x 1.22 in
Case:	Anodized aluminium
Input voltage:	10–32 VDC

*continued on next page

Input current:	-0: 5 watts max; 0.3 amps @ 14 VDC -2: 36 watts max; 2.6 amps @ 14 VDC -3: 21 watts max; 1.5 amps @ 14 VDC -4: 36 watts max; 2.6 amps @ 14 VDC -5: 84 watts max; 3.0 amps @ 28 VDC
Output power:	3.0 amps max per USB port, (15 watts Type A; 60 watts Type C)
Mounting:	Rear-panel mounted
Battery:	Primary (non-rechargeable) coin cell; poly-carbonmonofluroide lithium
Certification:	TSO-C71, ETSO-C71, RTCA DO-160G

EDMO#	MFR#	DESCRIPTION
6420093-0	6420093-0	CH93 Clock | No USB
6420093-2	6420093-2	CH93 Clock | Dual high power USB-A
6420093-3	6420093-3	CH93 Clock | Single high power USB-A
6420093-4	6420093-4	CH93 Clock | Dual high power USB-A
6420093-5	6420093-5	CH93 Clock | Dual MAX power USB-A/USB-C
COMPATIBLE TEMPERATURE PROBES		
B-10-1	B-10-1	Outside Air Temperature probe
B-11-1	B-11-1	RTD, Cabin Temperature probe
B-11-2	B-11-2	Current Cabin Temperature probe
INSTALLATION KITS		
9018178	9018178	CH93HP digital clock installation kit

**Upgraded from the MD93 Clock (6420093-1) still available. See edmo.com.*

250 SERIES USB CHARGING PORTS

GUARDIAN AVIONICS



250-101 Single Round



250-101 Dual Square

The smartPower 250 series is a panel-mount USB type-A charging port designed to provide reliable power in the cockpit for mobile devices such as smartphones and tablets. The "smart charging" feature adjusts the output amperage to meet the power requirements of the unit being charged reducing the risk of overheating or overcharging. Also, included are green LED backlit ports for night flying conditions, EMI shielding to eliminate interference, and reverse polarity protection. The smartPower provides 2.7 amps at 5 VDC (12 watt) for each USB port. The power supply is designed to be small and unobtrusive and is available with two different faceplate styles: a round faceplate to fit into a standard cigarette lighter socket panel cutout, and a square faceplate for custom panel cutouts. These USB chargers are available in single or dual USB port configurations: the single port model features one USB port in front and an Apple Lightning™ cable in the rear, while the dual port version has two USB type-A connectors in front.

- Keeps USB charged devices powered including smartphones, tablets, GPS units, and cameras
- Approved for installation in CFR Part 23 aircraft and Part 27/29 rotorcraft as Non-Required Safety Enhancing Equipment (NORSEE), requiring only a logbook entry as a minor alteration

Weight:	2.6 oz
Dimensions:	1.5 x 1.5 x 2.1 in
Input current:	9–48 VDC
Output current:	2.7 A per USB port
Output voltage:	5 VDC ± 0.25 per port (12 watt)

EDMO#	MFR#	DESCRIPTION	CUTOUT
SINGLE USB			
250-101R	250-101R	Type-A Front, Apple Lighting Rear	Round
250-101S	250-101S	Type-A Front, Apple Lighting Rear	Square
DUAL USB			
250-101RD	250-101RD	Type-A Front	Round
250-101SD	250-101SD	Type-A Front	Square
ACCESSORIES			
ADAPT-USB	ADAPT-USB	2.25-inch, panel mount instrument adapter	

AC OUTLET

TRUE BLUE POWER



AC outlets from True Blue Power offer pilots, passengers, and crew convenient access to accessory power. Available in either North American and Universal versions, they provided up to 15 amps of power and can be easily mounted in the cabin, cockpit, and galley.

- Compatible with True Blue Power and industry standard 115 VAC and 230 VAC inverters

Weight:	0.30 lb
Dimensions:	1.75 x 1.75 x 1.70 in
Case:	Aluminum
Compatible Inverters:	TI250, TI500, TI1200, TI2000

EDMO#	MFR#	PLUG TYPE	INPUT VOLTAGE	OUTPUT CURRENT
9018708-1	9018708-1	North American	115 VAC @ 60 Hz	15A (rated)
9018708-2	9018708-2	Universal	115/230 VAC @ 60/50 Hz	14A (rated)

115V AC POWER OUTLET

DEKLIN TECHNOLOGIES, INC

EDMO# Q227-115
MFR# Q227-115



Panel mounted 125 VAC, 15 amp power outlet designed for panel 0.8-inch to 2-inch in thickness.

CIGARETTE LIGHTER SOCKET 12 & 24 VDC

DEKLIN TECHNOLOGIES, INC



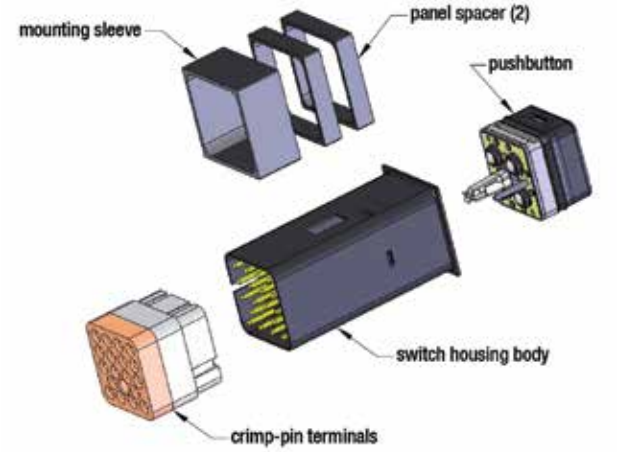
Cigarette lighter sockets constructed with glass-filled, high-temperature, nylon plastic parts with a temperature rating of 257°F. The sockets' metal current-carrying capacity part are 0.032-inch copper alloy for maximum conductivity and nickel-plated for corrosion resistance.

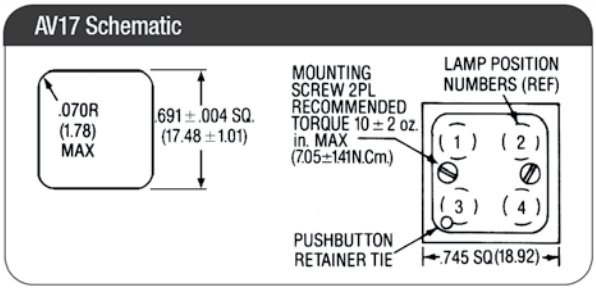
- 0.25-inch quick connect tabs
- Front or rear mount
- Provided with plastic alloy cap to seal receptacle when not in use

EDMO#	MFR#	VOLTAGE	RATING
CL2400	CL2400	24 V	10 A
CL6860	CL6860	12 V	10 A

SWITCHES

STACO AV17 PUSH-BUTTON SWITCHES
STACO SYSTEMS





Staco Systems' AV17 series is a broad line of lighted pushbutton switches and indicators built to US Military specifications and designed to work in extreme environmental applications. The AV17 is equipped with a sunlight readable display and is compatible with night vision goggles.

- One and two-pole snap action
- Individual or matrix mount
- Crimp-pin, solder or PC termination
- Indicator, momentary, or alternate action
- Lightweight and short in length
- LED or incandescent illumination and NVIS compatibility
- Water-resistant
- Common or split ground circuit configuration
- Qualified to MIL-PRF-22885/101 for incandescent

Weight:	0.59 to 1.09 oz
Dimensions:	Length behind panel: Solder 1.3 in Short crimp 1.86 in Mounting panel hole: 0.691 ± 0.004 in
Actual travel:	0.13 ± 0.03 in
Actual force:	5 lb (max)
Mounting torque:	10 ± 2 oz-inch

STACO AV17 SWITCH & INDICATOR COMPONENTS
STACO SYSTEMS

Lighted pushbutton switches/indicators are made up of two units including (1) the switch or indicator assembly and (2) the incandescent pushbutton. To order your specific part, choose a switch or indicator identified below and your specific pushbutton (call EDMO for assistance with pushbutton selection if needed). All Staco switches are double-pole, double-throw (DPDT) switches and require the addition of a lighted pushbutton. Indicator assemblies provide a support base for the lighted pushbutton. All switch bodies are come with a mounting sleeve.

EDMO#	MFR#	DESCRIPTION	CONTACT	MATERIAL
TABLE 1. SWITCH BODY COMPONENTS				
MOMENTARY				
17123	17123	DPDT	Solder	Silver
17843	17843	DPDT	Crimp	Gold
17943	17943	DPDT	Crimp	Gold
ALTERNATE				
17944	17944	DPDT	Crimp	Gold
INDICATORS				
17156	17156	Indicator assembly	Solder	-
17956	17956	Indicator/crimp/use with crimp pin #39029/22-192	Crimp	-

EDMO#	MFR#	USE
TABLE 2. PUSH BUTTON CAP ASSEMBLY COMPONENTS		
17001	17001	Faceplate bezel for switch terminations
17002	17002	Faceplate seal; holds faceplates and sits inside the bezel
17003	17003	Non-reflective faceplate
17007	17007	Textured faceplate
17008	17008	Filtered diffuser (2 ea.)
TABLE 3. TOOLS		
15193	15193	Extraction tool for removing pushbuttons from switch/ indicator assemblies.

EDMO: BIG SELECTION, PRODUCTS YOU KNOW & NAMES THAT YOU TRUST.

As a class-leading aviation distributor, EDMO keeps pace with the trends of the aerospace industry. We're constantly updating our inventory with our manufacturers' latest products, so there's a good chance we will have what you're looking for. Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

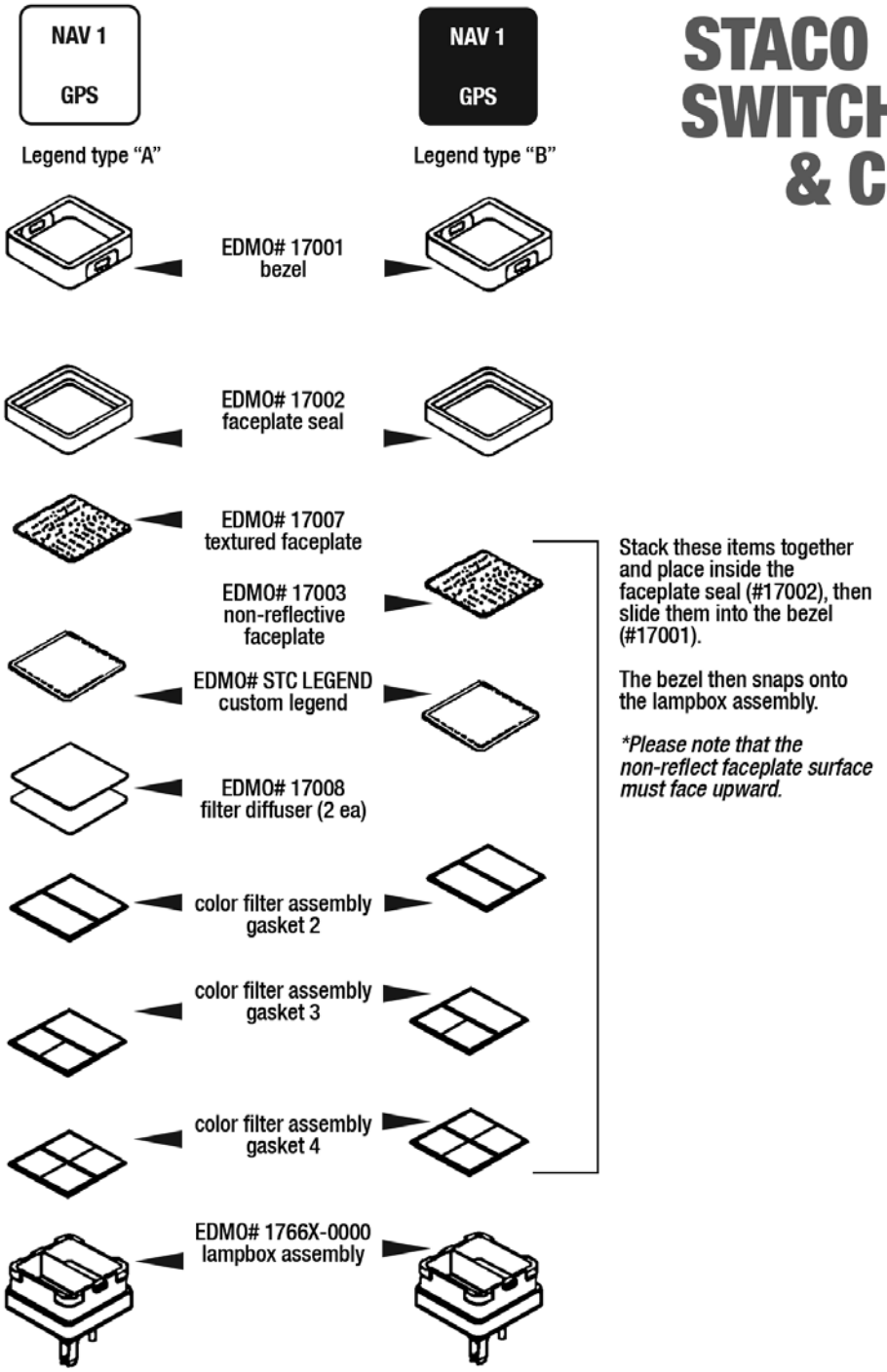


ASSEMBLY INFORMATION

The following diagrams explain the Staco AV17 switch components shown. To order a custom switch use EDMO's switch order form on the following page.

STACO SYSTEMS AV17 SWITCH COMPONENTS & CONFIGURATION.

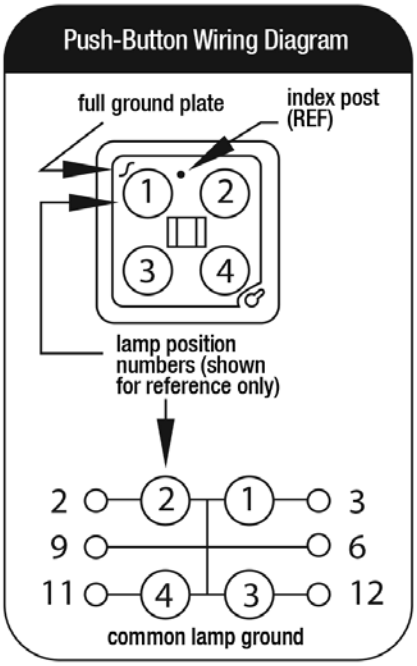
Use these diagrams when determining the the switch configuration you would like to order.



Stack these items together and place inside the faceplate seal (#17002), then slide them into the bezel (#17001).

The bezel then snaps onto the lampbox assembly.

**Please note that the non-reflect faceplate surface must face upward.*



EDMO DISTRIBUTORS SWITCH ORDER FORM
FAX TO 800.828.0623

Please make a copy of this page and fax it to EDMO at the number listed above.

DATE: _____

COMPANY: _____

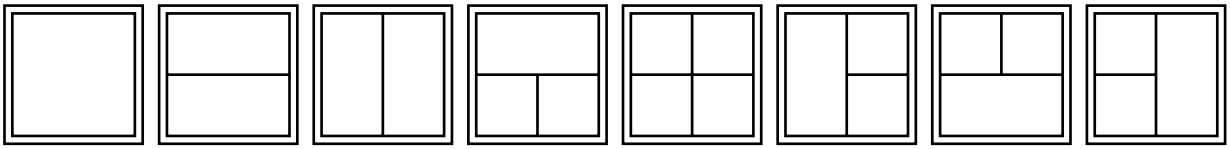
YOUR NAME: _____

PHONE: _____

FAX: _____

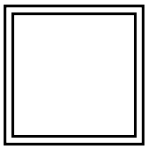
1) Switch or indicator assembly part number: _____
2) If ordering “crimp” style, quantity of sockets (min. 25): _____
3) Lamp part number and quantity: _____
4) LED ☐ Incandescent ☐
5) Voltage: _____
6) Push-button assembly display style: _____

(choose from one of the 8 styles below)



7) Legend color(s): _____

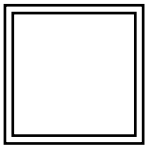
Draw the display style you have selected and include the color number in each segment



0 = clear white
1 = red
2 = green
3 = amber yellow
4 = lunar white
5 = lemon yellow
6 = blue

8) Custom legend: _____

Draw the display style you have selected and include the text specifications in each segment in each segment



TEXT NOTE

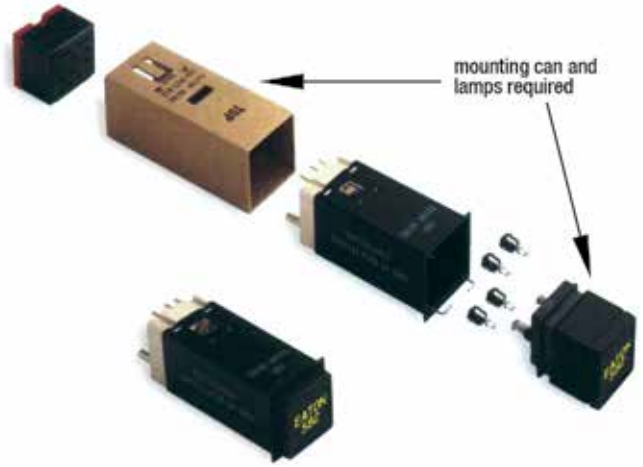
Full screen, maximum of (4) lines with (7) characters per line.
Full screen, horizontal, maximum of (2) lines with (7) characters per line.
Full screen, vertical, maximum of (2) columns with (7) characters per column.
Half screen, maximum of (2) lines with (4) characters per line.

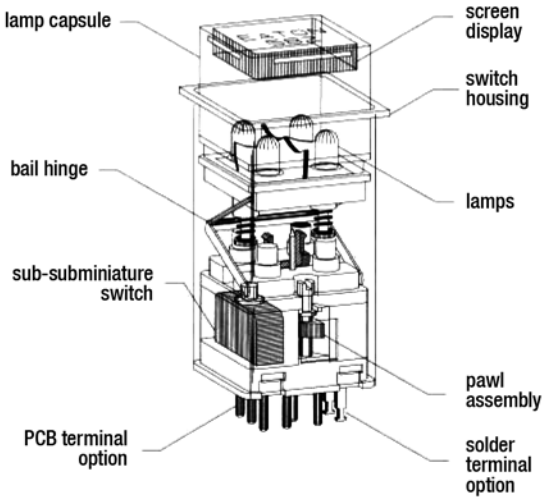
EATON 582 SERIES TWO-POLE LIGHTING, PUSH-BUTTON SWITCHES

EATON

The 582 Series can be used in commercial and military aircraft and was designed with custom input, focusing on reliability, low weight, short-behind-the-panel-depth, sunlight readability, night vision imaging compatibility, LED illumination, spray-tight sealing, and plug-in mounting. Qualified to MIL-S-22885/101.

- Mounting can and bulbs required for installation
- 582 Cap assembly sold separately, call for part number and pricing
- EDMO order form can be used for Eaton switch orders





EDMO#	MFR#	LIGHTING OPTION	SEAL & RFI OPT.	SWITCH ACTION / TERMINATION	LAMP CIRCUIT
58210A0B0C	582-10A0B0C3	T-1 Lamp, basic capsule	Unsealed	Indicator/plug-in	Horizontal split, dual ground
58210A2B0C	58210A2B0C3	-1 Lamp, basic capsule	Unsealed	2PDT momentary switch/plug-in	Horizontal split, dual ground
58210A4B0C	582-10A4B0C3	-1 Lamp, basic capsule	Unsealed	2PDT alternate switch/plug-in	Horizontal split, dual ground
ACCESSORIES					
58T-101	58T-101	Lamp capsule removal tool for Eaton switches			
58T-107	58T-107	Connector block removal tool for Eaton switches			
58A-104	58A-104	Clear plastic switchguard			
15089	15089	Lens guard assembly			


58T-101


58T-107

582-SERIES MOUNTING CANS

EATON

After the 582-series switch has been inserted into the panel, these plug-in mounting sleeves slide over the behind-panel portion of the switch and are secured by tightening the pawl. Included connector block is compatible with M39029/22-192 connector pins. No panel spacer.



EDMO#	MFR#	THICKNESS	SWITCH LENGTH
582RE5-222	582-RE5-222	0.063	Basic
582RE5-223	582-RE5-223	0.090	Basic
582RE5-224	582-RE5-224	0.125	Basic

SUB-MINI BULBS

These sub-mini bulbs can be used with both Staco and Eaton switch assemblies.



EDMO#	MFR#	VOLTAGE	AMPERAGE
ML-6180	OL3071	5 V	60 mA
OL1099	1099	12 V	60 mA
22-I	OL3229	14 V	40 mA
OL6839	OL6839	28 V	24 mA

SWITCH MOUNTS

These switch mounts were designed to simplify the mounting of multiple Staco and Eaton switches and annunciators. Made from high-grade aluminum, glass bead blasted and black anodized for a clean finish. 0.693 inch hole

EDMO#	MFR#	FITS	DIMENSIONS
SM-2	SM-2	2	2.25 × 1.25 in
SM-3	SM-3	3	3 x 1.25 in
SM-4	SM-4	4	3.75 × 1.25 in


SM-2


SM-4

ENVIRONMENTALLY SEALED TOGGLE SWITCHES

Environmentally sealed toggle switches that are completely protected from dust, moisture, and other contaminants.

- 1-, 2-, and 4-pole circuitry
- 2- and 3-position with maintained and momentary action
- Molded-in terminal inserts and terminal numbers
- MS approved and QPL'd per MIL-S-3950
- Thermoset molding materials meet flame retardant requirements
- Bushing: 15/32 inch – 32 thread / 0.690-inch toggle
- Temperature range: -68°F to 160°F
- Life: 20,000 operations at rated load, 40,000 operations mechanical life

POLES	TYPE OF OPERATION	CURRENT RATINGS					
		28 VDC			115 VAC 60 HZ OR 400 HZ		
		lamp load	**resistive load**	**inductive load**	**lamp load**	**resistive load**	**inductive load**
1	Maintained	5	20	15	3	15	10
	Momentary	4	15	10	2	15	7
2	Maintained	7	20	15	4	15	15
	Momentary	5	18	10	2	11	8
4	Maintained	5	20	12	4	15	15
	Momentary	4	18	10	2	11	8

EDMO#	MFR#	MIL P/N	CIRCUIT WITH LEVER IN		
			up position	**center position**	**down position**
1 POLE					
8500K1	8500K1	MS24524-21	ON	OFF	ON
8500K2	8500K2	MS24524-27	ON*	OFF	ON*
8500K3	8500K3	MS24524-31	ON	OFF	ON*
8500K4	8500K4	MS24524-23	ON	NONE	ON
8500K5	8500K5	MS24524-26	ON	NONE	ON*
8500K6	8500K6	MS24524-24	ON	OFF	NONE
8500K7	8500K7	MS24524-28	NONE	OFF	ON*
8500K9	8500K9	MS24524-22	ON	NONE	OFF
8500K10	8500K10	MS24524-29	ON	NONE	OFF*
8500K11	8500K11	MS24524-30	OFF	NONE	ON*
8500K12	8500K12	MS24524-32	ON*	ON	NONE
8500K13	8500K13	MS24523-33	ON	ON	NONE
2 POLE					
8501K1	8501K1	MS24524-21	ON	OFF	ON
8501K2	8501K2	MS24524-27	ON*	OFF	ON*
8501K3	8501K3	MS24524-31	ON	OFF	ON*
8501K4	8501K4	MS24524-23	ON	NONE	ON
8501K5	8501K5	MS24524-26	ON	NONE	ON*
8501K7	8501K7	MS24524-28	NONE	OFF	ON*
8501K9	8501K9	MS24524-22	ON	NONE	OFF
8501K10	8501K10	MS24524-29	ON	NONE	OFF*
8501K11	8501K11	MS24524-30	OFF	NONE	ON*
8501K13	8501K13	MS24524-33	ON	ON	NONE
8501K14	8501K14	MS27407-1	ON	ON	ON
8501K16	8501K16	MS27407-3	ON*	ON	ON*
8501K19	8501K19	MS27407-6	ON*	ON	ON*
4 POLE					
8502K3	8502K3	MS24525-31	ON	OFF	ON*
8502K9	8502K9	MS24525-22	ON	NONE	OFF







**Momentary contact*

ENVIRONMENTALLY SEALED LEVER LOCK SWITCHES

Environmentally sealed lever lock switches. Each switch is completely protected from dust, moisture, and other contaminants.

- 1-, 2-, and 4-pole circuitry
- 2- and 3-position with maintained and momentary action
- Locking actuator for safety
- Molded-in terminal inserts and terminal numbers
- Environmentally sealed per MIL-S-3950
- MS approved and QPL'd per MIL-S-3950
- Thermostat molded materials meet flame retardant requirements
- Bushing: 15/32 inches with 32 thread / 0.470-inch toggle
- Temperature range: -85°F to 160°F
- Life: 20,000 operations at rated load; 40,000 operations mechanical life

POLES	TYPE OF OPERATION	CURRENT RATINGS					
		28 VDC			115 VAC 60 HZ OR 400 HZ		
		lamp load	**resistive load**	**inductive load**	**lamp load**	**resistive load**	**inductive load**
1	Maintained	5	20	15	3	15	10
	Momentary	4	15	10	2	15	7
2	Maintained	7	20	15	4	15	15
	Momentary	5	18	10	2	11	8
4	Maintained	5	20	12	4	15	15
	Momentary	4	18	10	2	11	8

EDMO#	MFR#	MIL P/N	LEVER LOCK BUSHING STYLE	CIRCUIT WITH LEVER IN			
				up position	**center position**	**down position**	
1 POLE							
8503K1	8503K1	MS24658-21A	A	ON	OFF	ON	
8503K6	8503K6	MS24658-23D	D	ON	OFF	ON	
8503K10	8503K10	MS24658-22D	D	ON	NONE	OFF	
8503K11	8503K11	MS24658-24M	M	ON	NONE	OFF	
8503K19	8503K19	MS24658-3-F	F	OFF	NONE	ON*	
2 POLE							
8504K6	8504K6	MS24659-23D	D	ON	NONE	ON	
8504K9	8504K9	MS24659-22G	G	ON	NONE	OFF	
8504K10	8504K10	MS24659-22D	D	ON	NONE	OFF	
4 POLE							
8505K1	8505K1	MS24660-21A	A	ON	OFF	ON	
8505K2	8505K2	MS24660-21E	E	ON	OFF (lock)	ON	

Other switches/bushing styles available. See edmo.com for full inventory.

8800 SERIES TOGGLE SWITCHES

AC rated, military purpose toggle switches have a silicone rubber seal around the lever and meets MIL-S-83731 requirements. The seal will resist entry of contaminants such as dust, sand or water into the contact structure. The metal parts are plated for corrosion resistance. The heavy duty switches are offered in both standard toggle level and level lock versions.

POLES	TYPE OF OPERATION	CURRENT RATINGS					
		28 VDC			115 VAC AT 60 HZ / (400 HZ)		
		lamp load	**resistive load**	**inductive load**	**lamp load**	**resistive load**	**inductive load**
1PST / 1PDT(MS35058)	Maintained	7	25	25	- / (3)	10 / (10)	10 / (10)
	Momentary	5	20	10	- / -	10 / -	7 / -
2PST / 2PDT(MS35059)	Maintained	7	20	15	- / (4)	20 / (20)	- / (15)
	Momentary	5	18	10	- / -	11 / -	- / -
1P3T(MS25201)	ON-ON-ON	5	18	10	2 / (2)	11 / (11)	8 / (8)

EDMO#	MFR#	MIL P/N	CIRCUIT WITH LEVER IN			
			up position	**center position**	**down position**	
1 POLE / SINGLE THROW (1PST)						
8801K22	8801K22	MS35058-22	ON	NONE	OFF	
8810K15	8810K15	MS35058-23	ON	NONE	ON	
8811K17	8811K17	MS35058-30	OFF	NONE	ON*	
8836K9	8836K9	MS25306-222	ON	NONE	OFF	
1 POLE / DOUBLE THROW (1PDT)						
8800K16	8800K16	MS35058-21	ON	OFF	ON	
8809K16	8809K16	MS35058-31	ON	OFF	ON*	
8812K14	8812K14	MS35058-27	ON*	OFF	ON*	
8857K44	8857K44	MS25125-E3	ON	NONE	ON	
1 POLE / TRIPLE THROW (1P3T)						
8860K4	8860K4	MS25201-4	ON1	ON2	ON4	
8860K6	8860K6	MS25201-6	ON*	ON	ON*	
2 POLE / SINGLE THROW (2PST)						
8822K20	8822K20	MS35059-22	ON	NONE	OFF	
2 POLE / DOUBLE THROW (2PDT)						
8820K16	8820K16	MS35059-21	ON	OFF	ON	
8824K14	8824K14	MS35059-23	ON	NONE	ON	
8830K13	8830K13	MS35059-26	ON	NONE	ON*	
8832K6	8832K6	MS35059-31	ON	OFF	ON*	
8834K5	8834K5	MS35059-27	ON	OFF	ON	
8867K2	8867K2	MS24656-271	ON	OFF	ON	
8869K4	8869K4	MS90311-231	ON	OFF	ON	

**Momentary contact*

7000 SERIES TOGGLE SWITCHES

Miniature locking toggle switches for telecommunications, instrumentation, or medical equipment. The 7000 series offer a variety of actuator and termination options. The epoxy terminal-seal is compatible with bottom wash cleaning.

- Silver-plated with an epoxy terminal seal
- Solder lug termination

EDMO#	MFR#	SWITCH FUNCTION		TOGGLE STYLE/LENGTH	
BAT TOGGLE — 1 POLE / DOUBLE THROW					
7101K2ZQE	7101K2ZQE	ON	ON	Locking lever / 0.704 in	
7101SH3ZQE	7101SH3ZQE	ON	ON	Std. round / 0.42 in	
7103K2ZQE	7103K2ZQE	ON	ON	Locking lever / 0.704 in	
7103SH3ZQE	7103SH3ZQE	ON	ON	Std. round / 0.42 in	
7105P4YZQE	7105P4YZQE	ON*	ON*	Std. round / 0.42 in	
51825137-2	5-1825137-2	ON	OFF — ON*	Std. round / 10.41 mm	
BAT TOGGLE — 2 POLE / DOUBLE THROW					
7201K2ZQE	7201K2ZQE	ON	ON	Locking lever / 0.704 in	
7201SH3ZQE	7201SH3ZQE	ON	ON	Std. round / 0.42 in	
7203SH3ZQE	7203SH3ZQE	ON	ON	Std. round / 0.42 in	
BAT TOGGLE — 3 POLE / DOUBLE THROW					
7301SH3ZQE	7301SH3ZQE	ON	ON	Std. round / 0.42 in	
BAT TOGGLE — 4 POLE / DOUBLE THROW					
7401K2ZQE	7401K2ZQE	ON	ON	Locking lever / 0.704 in	
7403SH3ZQE	7403SH3ZQE	ON	ON	–	
7401SH3ZQE	7401SH3ZQE	ON	ON	Std. round / 0.42 in	

**Momentary contact*

A3 SERIES TOGGLE SWITCH

EDMO# A3-202-05
MFR# A3-202-05

The A3 Series industrial grade multi-circuit toggle switches provide two, four, six, or eight poles of switching capabilities in ether a standard or sealed switch body. This A3-202 toggle switch (EDMO# A3-202-05) is a standard (non-locking) and has a 2-position, 6-pole toggle with On-None-On lever positions.

- MIL-PRF-8805 standard
- Maintained and Momentary action
- Lever locking configuration
- Stainless steel construction
- Double turret terminals



F SERIES TOGGLE SWITCH

TE CONNECTIVITY
EDMO# 4-64376305
MFR# 4-6437630-5

The F Series switches are high performance, high current, and high voltage toggles in a small case. Electrical life is rated from 25,000 to 50,000 cycles at full load, has a resistance of 10 milliohms max., insulation resistance of 1,000 megohms and actuation force of 19.6 N max. The 4-6437630-5 is a double pole, double throw, 3 position toggle switch. The switch function is ON-ON-ON.

- Gold-flashed terminals
- Panel mount



7700 SERIES TOGGLE SWITCH

EDMO# 7700K1
MFR# 7700K1

The 7700 series general purpose toggle switches are sealed around the lever to resist entry of contaminates such as dust, sand or water into the contact structure.

- Solder lugs
- Threaded panel mount
- Thermoset molding materials meet flame retardant requirements



MS24656 DOUBLE POLE MINIATURE SWITCH

EDMO#: MS24656211
MFR#: MS24656211

Commercial & MIL Spec Miniature Toggle switches feature positive action switching and mountable on a panel. The non-teasable mechanism assures that the switch will actuate and not ""hang up"" even when actuated very slowly. A silicone seal offer protection of the contacts from contaminates, and all metal components are corrosion resistant and designed to exceed military requirements.



MTA & MTL SERIES TOGGLE SWITCHES

The MTA and MTL miniature toggle switches are design for panel mount applications.

- MTA series have 0.410-inch long round toggles, 1/4-40 bushing
- MTL series have 0.270-inch long round toggle, 1/4-40 bushing
- Materials: contacts—copper alloy silver clad gold finish; actuator—brass nickel-plated; terminal seal—over molded; case—alkyd polyester; frame—stainless steel; support bracket—steel nickel-plated
- Wire lug termination

EDMO#	MFR#	SWITCH FUNCTION			TOGGLE LENGTH	
MTA — SINGLE POLE / DOUBLE THROW						
MTA-106D	1-1437558-0	ON	NONE	ON	0.410 in	
MTA-106E	1-1437558-2	ON	OFF	ON	0.410 in	
MTA-106G	1-1437558-6	ON(mom)	OFF	ON(mom)	0.413 in	
MTA — DOUBLE POLE / DOUBLE THROW						
MTA-206N	2-1437558-0	ON	ON		0.410 in	
MTA-206P	MTA-206P	ON	ON		0.410 in	
MTA — THREE POLE / DOUBLE THROW						
MTA-306E	3-1437558-7	ON	ON		0.413 in	
314375585	3-1437558-5	ON	ON		0.413 in	
MTA — FOUR POLE / DOUBLE THROW						
MTA-406N	4-1437558-3	ON	NONE	ON	0.413 in	
MTA-406P	4-1437558-5	ON	OFF	ON	0.413 in	
11571927-2	MTL-406N	ON	NONE	ON	0.65 in	
MTL — SINGLE POLE / DOUBLE THROW						
MTL-106D	3-1437559-4	ON	ON		0.650 in	

EDMO#	MFR#			TOGGLE LENGTH	
MTL — DOUBLE POLE / DOUBLE THROW					
MTL-206N	MTL206N	ON	ON	0.650 in	
MTL-206P	MTL206P	ON	ON	0.650 in	
MTL — THREE POLE / DOUBLE THROW					
MTL-306D	1437559-2	ON	ON	0.650 in	

MICRO SWITCH TL SERIES TOGGLE SWITCHES

The Micro Switch TL Series toggle switches are sealed to military specifications, MIL-DTL-3950 and feature a bonded seal between the toggle lever and bushing as well as between the cover and case. The robust design makes the 2TL1 series ideal for many military and aerospace applications where reliability is critical. These switches are designed for applications in environments where the panels are subjected to mechanical shock, vibration, and temperature extremes as well as environments with dust, splashing or hose-directed water. The 2TL1 series toggle switches offer a wide variety of circuitry and pole options. Constructed for military and aerospace applications, the TL Series provides reliable performance and a long operating life under tough conditions.

- Qualified to MIL-DTL-3950
- Environment-proof sealing
- Completely sealed switching chamber
- Innovative Step-design case provides added space between terminals to help prevent shorting

EDMO#	MFR#	MIL P/N	KEYWAY POS.	CENTER POS.	OPPOSITE KEYWAY	LEVER TYPE	
SINGLE POLE / SINGLE THROW							
1TL1-6	1TL1-6	MS24523-30	ON	-	OFF	Standard	
SINGLE POLE / DOUBLE THROW							
1TL1-8	1TL1-8		ON*	--	ON	Standard	
1TL1-3	1TL1-3		ON	--	ON		
DOUBLE POLE / SINGLE THROW							
2TL1-3G	2TL1-3G	MS24659-23G	ON	-	ON	Locking	
2TL1-4	2TL1-4	MS24524-29	OFF*	-	ON	Standard	
2TL1-8	2TL1-8	MS24524-26	ON*	-	ON	Standard	
2TL1-2	2TL1-2	MS24524-22	OFF	-	ON	Standard	
DOUBLE POLE / DOUBLE THROW							
2TL1-12	2TL1-12	MS27407-1	ON	ON	ON	Standard	
2TL1-50	2TL1-50	MS27407-5	ON*	ON	ON	Standard	
2TL1-31	2TL1-31	MS24524-33	None	ON	ON	Standard	
2TL1-10	2TL1-10	MS27407-4	ON	ON	ON		

**Momentary contact*

PUSH BUTTON SWITCHES

Momentary pushbutton switches

EDMO#	MFR#	SWITCH FUNCTION		POSITION	ACTUATOR/ BUSHING HEIGHT	COLOR	
		pos. 1	**pos. 2**				
TP11SHZQE	TP11SHZQE	OFF	MOM.	SPST/normally off	0.155in / 0.220 in	Black	
TPC13C0	TPC13C0	OFF	MOM. (3 TO 1)	SPST/normally open	0.137 in / 0.216 in	Black	
TPC13F0	2-1437572-6	2 TO 1	MOM. (2 TO 3)	SPDT/-	0.137 in / 0.216 in	Black	
8631ZBD2	MSPS103C2	OFF	MOM.	SPST/normally open	0.175 in / 0.125 in	Black	
024A05BB	GPB024A05BB	OFF	MOM.	SPST/normally open	0.220	Black	
024A05BR	GPB024A05BR	OFF	MOM.	SPST/normally open	0.220	Red	
MS25089-4A	MS25089-4A	Open	MOM.	normally open		Black	
514375670	5-1437567-0	On	MOM.		0.315	Green	
MPA-206R	MPA206R	Off	MOM.	DPDT/momentary	0.55 / 0.28	Green	

SWITCH GUARDS

849 SERIES

Switch guards prevent accidental operation of switches by limiting switch operation to select functions. The guards can be adapted to one-, two-, and four-pole configurations. One-hole or flush-mounted variations.

- For use with 2- or 3-position switches
- Various colored thermoset molded & metal covers
- MS approved and QPL'd per MIL-G-7703
- Guard covers are spring loaded to either close or lock in open position
- Keyway orientation variations offered on some guards


8492K1


8494K2


8499K1

EXPLANATION OF CODES

2,10, 11, and 12: For full throw single throw switches, returns lever to OFF position

3, 13, and 14: For three-position switches, returns lever from up position to center position and will not change toggle position when it is in down position

*continued on next page

EXPLANATION OF CODES

4 and 5: For two-position full throw switches, permits locking toggle in extreme up position

6 and 15: Insertion of pin through guard prevents accidental operation, prevents transfer of single throw switches, and permits operation from first position to center on three-position switches

7 and 8: For three-position switches, returns lever to center position from either extreme and the guard housing remains fixed in open and closed position

Call or visit edmo.com for parts not shown.

EDMO#	MFR#	MIL P/N	CODE	SWITCH MOUNTING/POSITIONS	LEVER MATERIAL/COLOR	KEYWAY TAB LOCATION
8492K1	849K1	MS24417-1	15	--/2 or 3	Metal/black	Opp. Pin hole
8494K2	8494K2	MS25214-2	7	OHM/3	Phenolic/red	Opp. Hinged end
8495K1	8495K1	MS25221-1	6	Flush or OHM/2 or 3	Metal	--
8496K2	8496K2	MS25223-2	9	OHM / 3	Phenolic/red	Opp. Hinged end
8497K1	MS25224-1	MS25224-1	10	OHM / 2	Phenolic/red	Opp. Hinged end
8497K2	8497K2	MS25224-2	2	Flush / 2	Phenolic/red	--
8497K3	8497K3	MS25224-3	11	-- / 2	Phenolic/red	Hinged end
8498K6	MS27752-1	MS27752-1	16	OHM / 2 or 3	Phenolic/red	Opp. Hinged end
8499K1	8499K1	MS25452-1	4	Flush / 2	Metal/green	--
8497K7	8497K7		2	-- / 2	Phenolic/red	Opp. Hinged End

400 SERIES

Switch guards for MSP Aviation are rugged and highly durable that exceed customers' requirements for reliability. Switch guards prevent the inadvertent activation of toggle switches by the aircraft operator such as preventing the activation of fire suppression system or emergency locator transmitter (ELTs).



402-112



400-111



403-111

EDMO#	MFR#	SWITCH STYLE	FLIPPER	CLOSING GUARD	OPENING GUARD	GUARD POSITION	KEYWAY LOCATOR	COLOR
400-111	400-111	2 position	Yes	Down pos.	No effect	Opened or closed	6 o'clock	Red
400-112	400-112	2 position	Yes	Down pos.	No effect	Remains open or closed	6 o'clock	Black
400-121	400-121	2 position	Yes	Down pos.	No effect	Remains open or closed	12 o'clock	Red
400-122	400-122	2 position	Yes	Down pos.	No effect	Remains open or closed	12 o'clock	Black
402-111	402-111	3 position	Yes	Up/Down pos.	No effect	Remains open or closed	6 o'clock	Red
402-121	402-121	3 position	Yes	Up/Down pos.	No effect	Remains open or closed	12 o'clock	Red
402-122	402-122	3 position	Yes	Up/Down pos.	No effect	Remains open or closed	12 o'clock	Black
403-111	403-111	2 position	No	No effect	No effect	Remains open or closed	6 o'clock	Red
403-112	403-112	2 position	No	No effect	No effect	Remains open or closed	6 o'clock	Black
403-121	403-121	2 position	No	No effect	No effect	Remains open or closed	12 o'clock	Red
403-122	403-122	2 position	No	No Effect	No effect	Remains open or closed	12 o'clock	Black
404-112	404-112	2 position	Yes	Down pos.	No effect	Remains open or closed	6 o'clock	Black
404-122	404-122	2 position	Yes	Down pos.	No effect	Remains open or closed	12 o'clock	Black
405-111	405-111	2 position	No	No effect	No effect	Remains open or closed	6 o'clock	Red
405-112	405-112	2 position	No	No effect	No effect	Remains open or closed	6 o'clock	Black
405-122	405-122	2 position	No	No effect	No effect	Remains open or closed	12 o'clock	Black
401-112	401-112	3 position	Yes	Up-center pos.	No effect	Remains open or closed	6 o'clock	Black
401-122	401-122	3 position / momentary down	Yes	Up-center pos.	No effect	Remains open or closed	12 o'clock	Black
402-112	402-112	3 position	Yes	Up-down-center pos.	No effect	Remains open or closed	6 o'clock	Black
406-111	406-111	3 position	Yes	Down pos.	No effec	Remains open or closed	6 o'clock	Red
406-112	406-112	3 position	Yes	Down pos.	No effect	Remain opens or closed	6 o'clock	Black
408-112	408-112	3 position	Yes	Up-center pos.	No effect	Remains open or closed	6 o'clock	Black
408-122	408-122	3 position	Yes	Up-Center pos	No effect	Remains open or closed	12 o'clock	Black

AUTOPILOT INSTALLATION HARDWARE KITS

AVIATION DESIGN & SUPPLY

Autopilot installation kits have revolutionized the general aviation industry by simplifying the process of installing and maintaining avionics systems with their autopilot hardware installation kits. These kits are specific for the Garmin GFC 500 & GFC 600 autopilots systems and support various aircraft models from Beechcraft, Cessna, Piper, Mooney, Cirrus, King Air, Bonanza, Daher, and Pilatus.

ADS provides aircraft specific autopilot hardware installation kits designed to save time and labor. Customers no longer have to spend countless hours of calculating cost per item and searching for the best source for parts listed in autopilot installation manuals. Aviation Design and Supply sources its installation components from reputable suppliers and provides full traceability with lot numbers and all applicable conformity documentation.

Supported Airframes For Garmin® GFC 500 Autopilots

EDMO#	MFR#	AIRCRAFT MODEL	OPTIONS
BEECHCRAFT			
9365111074	01-CE9365-1110-74A	19/23/24 series	base, pitch trim, yaw
9425111026	01-CE9425-1110-26A	F33A (CE316-CE510)	base, trim, yaw
9405111021	01-CE9405-1110-21A	F33A (CE511-CE1791)	base, trim, yaw
9385111015	01-CE9385-1110-15A	33 series	base, pitch trim
9505111086	01-CE9505-1110-86A	35 (C, D, E, F, G) series	base, pitch trim yaw
9485111076	01-CE9485-1110-76A	H35, J35, K35, M35	base, pitch trim, yaw
9465111058	01-CE9465-1110-58A	N35, P35	base, trim, yaw
9325111008	01-CE9325-1110-08A	S35, V35, V35A, V35B	base, ptich trim, yaw
9265111030	01-CE9265-1110-30A	36, A36 (E1-E57)	base, pitch trim, yaw
9285110024	01-CE9285-1100-24A	36, A36, A36TC (E571-)	base, pitch trim, yaw
9445111042	01-CE9445-1110-42A	B36TC	base, trim, yaw
996521140E	01-CE9965-2114-0EA	A45, D45	base, trim, yaw
910521140	01-CE9105-2114-0NA	A35, B35	base, pitch trim, yaw
CESSNA			
9165110003	01-CE9165-1100-03A	172, F172	base, trim
914501020D	01-CE9145-0102-0DA	172 a,b,c - 175 a, b, c	2 servo, pitch trim
9185010297	01-CE9185-0102-97A	172D, P172D	2-servo, pitch trim
9205111067	01-CE9205-1110-67A	172RG	base, trim, yaw
9565111040	01-CE9565-1110-40A	177, 177A	base, pitch trim, yaw
9225110022	01-CE9225-1100-22A	180, 185, 182	base, yaw
9245110082	01-CE9245-1100-82A	182C, 182D	base, yaw
9125111004	01-CE9125-1110-04A	182	base, trim, yaw
9545111031	01-CE9545-1110-31A	182, TR182	base, trim, yaw
9625111066	01-CE9625-1110-66A	206 pre-1974	base, pitch trim, yaw
9585111044	01-CE9585-1110-44A	206 post-1974	base, pitch trim, yaw
9665111093	01-CE9665-1110-93A	206 (STOL)	base, trim, yaw
9645111080	01-CE9645-1110-80A	210 D, E, F	2-axis, trim, yaw
9605121056	01-CE9605-1210-56A	210 G, H, J	2-axis, trim, yaw
905521140S	01-CE9055-2114-0SA	210 K, L, M	base, pitch trim, yaw
9525121013	01-CE9525-1210-13A	210 K, L, M, N	base, pitch trim, yaw
PIPER			
9845111046	01-CE9845-1110-46A	Cherokee Six	2-axis, trim, yaw
9805111033	01-CE9805-1110-33A	Dakota	2-axis, trim, yaw
9905111061	01-CE9905-1110-61A	PA-24	2-axis, trim, yaw
9305100305	01-CE9305-1003-05A	PA-28 series	base 1, trim 1, trim 2, trim 3
9865111049	01-CE9865-1110-49A	PA-28RT-201(T)	2-axis, pitch trim, yaw
9825131037	01-CE9825-1310-37A	PA-28-235	2-axis, trim 1, pitch, trim 2, trim FM, yaw
9785111028	01-CE9785-1110-28A	PA-28R series	2-axis, trim, yaw
9865111049	01-CE9865-1110-49A	PA-38RT-201(T)	2-axis, trim, yaw
9925011284	01-CE9925-0112-84A	PS30/39	2-servo, trim, yaw
9765111010	01-CE9765-1110-10A	PA-32(R) series	2-axis, trim, yaw
9885111051	01-CE9885-1110-51A	PA-32RT	2-axis, trim, yaw
994521140G	01-CE9945-2114-0GA	PA-34	2-axis, trim, yaw
MOONEY			
9745111078	01-CE9745-1110-78A	M20C, D, E pre-1965	base, pitch trim, yaw
9345111063	01-CE9345-1110-63A	M20C, D, E, F, G, post-1965	base, trim, yaw
9345111063	01-CE9345-1110-63A	M20C, D, E, F, F post-1965	base, trim, yaw
9725111019	01-CE9725-1110-19A	M20J, M20K	base, trim, yaw
9705111317	01-CE9705-1113-17A	M20M, M20R, M20S	base, pitch, yaw
CIRRUS			
9685011354	01-CE9685-0113-54A	SR3X, SR22	axis, trim, yaw
GRUMMAN			
9985200211	01-CE9985-2002-11A	AA-5, AA5A, AA-5B, AG-5B	base, pitch, roll
ROCKWELL			
9085211488	01-CE9085-2114-88A	Commander 112/114	base, trim, pitch, roll, yaw

Supported Airframes For Garmin® GFC 600 Autopilots

EDMO#	MFR#	AIRCRAFT MODEL	OPTION
BEECH BARON			
8166111003	01-CE8166-1110-03A	55 series	base, yaw
8306201211	01-CE8306-2012-11A	58 series pre-1984	base, yaw
8206101205	01-CE8206-1012-05A	58 series post-1984	base, yaw
8286201210	01-CE8286-2012-10A	58P, 58PA, 58TC, 58TCA	base, yaw
CESSNA			
8146110202	01-CE8146-1102-02A	182 series	base, trim
8246101207	01-CE8246-1012-07A	208, 208B	base, yaw
8526100430	01-CE8526-1004-30A	P210	3-servo
8226101206	01-CE8226-1012-06A	340/340A	aileron, base, yaw
8326101214	01-CE8326-1012-14A	414A	aux, base, yaw
8426101223	01-CE8426-1012-23A	421C	aux, base, yaw
8406101222	01-CE8406-1012-22A	425	aux, base, yaw
8486100126	01-CE8486-1001-26A	441	aux, base
8606400421	01-CE8606-4004-21A	Citation Jet 525	pitch, roll, trim, yaw
8626400434	01-CE8626-4004-34A	Citation Jet 535A	base, trim, yaw
KING AIR			
8366101220	01-CE8366-1012-20A	90 series opt. 1	pitch, roll, trim, yaw
8386101220	01-CE8386-1012-20A	90 series opt. 2	pitch, roll, trim, yaw
8546000032	01-CE8546-0000-32A	200 series	pitch, roll, trim, yaw
8586111435	01-CE8586-1114-35A	F90 series	pitch, roll, trim, yaw
PIPER			
8446101224	01-CE8446-1012-24A	PA-31	base, yaw damp, yaw trim
8566102033	01-CE8566-1020-33A	PA-350	base, yaw damp, yaw trim
8346101218	01-CE8346-1012-18A	PA-46 series	base, yaw
DAHER			
8266101208	01-CE8266-1012-08A	TBM700/700N	pitch, roll, trim, yaw
PILATUS			
8466100125	01-CE8466-1001-25A	PC-12	pitch, roll, trim, yaw

1

TERMINAL BLOCKS & BUS BARS

TERMINAL BLOCKS

These terminal blocks are molded in high quality, dimensionally stable DAP thermoset material, providing excellent dielectric strength, even at high temperatures and in moist environments. They can be cut to length to accommodate any job.

- Constructed with diallyl isophalate plastic (per Federal standard GDI-20F and MIL-M-14)
- Operating temperature: 425°F to 500°F max.
- Compatible with MS180029 terminal block covers and MS252226 bus bars

27212-1

- Stud thread size/ max available: 6-32 UNC-2A/20
- 0.953 x 0.688 in (0.594 in stud spacing)



EDMO#	MFR#	# OF STUDS
27212-1-2	MS27212-1-2	2
27212-1-3	MS27212-1-3	3
27212-1-4	MS27212-1-4	4
27212-1-5	MS27212-1-5	5
27212-1-6	MS27212-1-6	6
27212-1-7	MS27212-1-7	7
27212-1-8	MS27212-1-8	8
27212-1-9	MS27212-1-9	9
27212-1-10	MS27212-1-10	10
27212-1-12	MS27212-1-12	12
27212-1-14	MS27212-1-14	14
27212-1-15	MS27212-1-15	15
27212-1-20	MS27212-1-20	20

27212-2

- Stud thread size/max available: 10-32 UNF-2A/16
- 1.070 x 0.938 in (0.750 in stud spacing)



EDMO#	MFR#	# OF STUDS
27212-2-2	MS27212-2-2	2
27212-2-3	MS27212-2-3	3
27212-2-4	MS27212-2-4	4
27212-2-6	MS27212-2-6	6
27212-2-9	MS27212-2-9	9
27212-2-10	MS27212-2-10	10
27212-2-12	MS27212-2-12	12
27212-2-16	MS27212-2-16	16

27212-3

- Stud thread size/max available: 1/4 x 28UNF-2A/8
- 1.321 x 1.250 in (1.5 in stud spacing)



EDMO#	MFR#	# OF STUDS
27212-3-2	MS27212-3-2	2
27212-3-3	MS27212-3-3	3
27212-3-4	MS27212-3-4	4
27212-3-5	MS27212-3-5	5
27212-3-6	MS27212-3-6	6
27212-3-8	MS27212-3-8	8

27212-4

- Stud thread size/max available: 5/16 x 24 UNF-2A
- 1.392 x 1.50 (1.5 in stud spacing)



EDMO#	MFR#	# OF STUDS
27212-4-2	MS27212-4-2	2
27212-4-3	MS27212-4-3	3

27212-5

- Stud thread size/max available: 3/8-24 UNF-2A/8
- 1.517 x 1.250 (1.50 in stud spacing)



EDMO#	MFR#	# OF STUDS
27212-5-1	MS27212-5-1	1
27212-5-3	MS27212-5-3	3
27212-5-4	MS27212-5-4	4
27212-5-8	MS27212-5-8	5

27212-6

- Stud thread size/max available: 8-32 UNF-2A/16
- 1.079 x 0.936 (0.750 stud spacing)



EDMO#	MFR#	# OF STUDS
27212-6-2	MS27212-6-2	2
27212-6-3	MS27212-6-3	3
27212-6-4	MS27212-6-4	4
27212-6-5	MS27212-6-5	5
27212-6-10	MS27212-6-10	10
27212-6-12	MS27212-6-12	12
27212-6-16	MS27212-6-16	16

SNAP RING & NUT FOR 2721-X-X SERIES

Snap ring and nut for use with the MS18029 cover assemblies (use in conjunction with the 27212-x-x series terminal blocks).



EDMO#	MFR#	COMPATIBLE WITH MS27212-X TERMINAL BLOCK / MS18029-X COVER
MS18029-21	MS18029-21	-1, 1 to 20 / MS18029-11(*)-N / N=1 to 20
MS18029-22	MS18029-22	-2, 1 to 16 / MS18029-12(*)-N / N=1 to 20
MS18029-23	MS18029-23	-3, 1 to 8 / MS18029-13(*)-N / N=1 to 20
MS18029-26	MS18029-26	-6, 1 to 16 / MS18029-16(*)-N / N=1 to 20

TERMINAL BLOCK BUS BARS



Designed to be compatible with MS27212 terminal blocks, these bus bars consist of parallel plates of conductors bonded together and separated be a thin layer of insulation: they provide low inductance, high capacitance, and ease of assembly. Ideal for system integration where high power switching, such as IGBTs are involved.

MS27212-1

• Max capacity: 40 amps

EDMO#	MFR#	# OF STUDS	STUD SIZE
25226-2-2	MS25226-2-2	2	6-32
25226-2-3	MS25226-2-3	3	6-32
25226-2-4	MS25226-2-4	4	6-32
25226-2-5	MS25226-2-5	5	6-32
25226-2-6	MS25226-2-6	6	6-32
25226-2-7	MS25226-2-7	7	6-32
25226-2-8	MS25226-2-8	8	6-32
25226-2-10	MS25226-2-10	10	6-32
25226-2-16	MS25226-2-16	16	6-32
252264A-16	252264A-16	16	#10
25226-2-20	MS25226-2-20	20	6-32
252262A-20	MS25226-2A-20	20	0.216

MS27212-2

• Max capacity: 70 amps

EDMO#	MFR#	# OF STUDS	STUD SIZE
25226-4-3	MS25226-4-3	3	10-32
25226-4-12	MS25226-4-12	12	10-32
25226-4-16	MS25226-4-16	16	10-32

MS27212-3

• Max capacity: 90 amps

EDMO#	MFR#	# OF STUDS	STUD SIZE
25226-6-5	MS25226-6-5	5	1/4-28
25226-6-6	MS25226-6-6	6	1/4-28
25226-6-8	MS25226-6-8	8	1/4-28
25226-6-20	MS25226-6-20	20	1/4-28

MS27212-8

EDMO#	MFR#	# OF STUDS	STUD SIZE
25226-8-4	MS25226-8-4	4	3/8-24

MS27212-6

• Max capacity: 50 amps

EDMO#	MFR#	# OF STUDS	STUD SIZE
25226-10-2	MS25226-10-2	2	8-32
25226-10-4	MS25226-10-4	4	8-32
25226-10-6	MS25226-10-6	6	8-32
25226-1011	MS25226-10-11	11	8-32
2522610A16	MS25226-10A-16	16	8-32

TERMINAL BLOCK COVER ASSEMBLIES

Cover assemblies of MS27212 terminal blocks. Constructed with plastic laminate material per MIL-P-15518 type I. Operating temperature: 475°F

18029-1S

• Stud size: 6-32
• Cover type/nut: S/MS18029-21



EDMO#	MFR#	# OF STUDS
18029-1S-3	MS18029-1S-3	3
18029-1S-4	MS18029-1S-4	4
18029-1S-5	MS18029-1S-5	5
18029-1S-6	MS18029-1S-6	6
18029-1S-7	MS18029-1S-7	7
18029-1S-8	MS18029-1S-8	8
18029-1S10	MS18029-1S-10	10
18029-1S12	MS18029-1S-12	12
18029-1S15	MS18029-1S-15	15
18029-1S20	MS18029-1S-20	20

18029-2S

• Stud size: 10-32
• Cover type/nut: S/MS18029-22



EDMO#	MFR#	# OF STUDS
18029-2S-2	MS18029-2S-2	2
18029-2S10	MS18029-2S-10	10
18029-2S16	MS18029-2S-16	16

18029-3S

• Stud size: 1/4 -28
• Cover type/nut: S/MS18029-23



EDMO#	MFR#	# OF STUDS
18029-3S6	MS18029-3S-6	6
18029-3S8	MS18029-3S-8	8

18029-6S

• Stud size: 8-32
• Cover type/nut: S/MS18029-26



EDMO#	MFR#	# OF STUDS
18029-6S-3	MS18029-6S-3	3
18029-6S-5	MS18029-6S-5	5
18029-6S12	MS18029-6S-12	12
18029-6S16	MS18029-6S-16	16

BARRIER TERMINAL BLOCK

EDMO# 1546671-6
MFR# 1546671-6



Dual barrier strip with two walls molded onto each side of the terminal screw. This strip is east to install with backed-out, wire-ready screws that have an interrupted thread designed to prevent screws from falling out. Stand-offs allow flux and solvents to drain during cleaning.

Centerline/length:	0.4375 in / 3.380 in (85.85 mm)
# of positions/screw size:	6 positions / 6-32 x 1/4
Current rating/wire range:	25 A / 22–14 AWG
Block/screw material:	Thermoplastic/steel

SOCKET JUNCTION MODULE

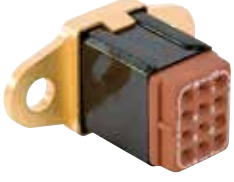


This MIL-T81714 Series I Class D Terminal Junction System is QPL-approved and consists of modules available in various sizes that accommodate 12 AWG to 26 AWG wires in both feedback and feed-thru types including a full selection of bussing arrangements. The complete MIL-T-81714 Series I terminal junction system includes feedback/feed-thru modules, electronic modules, ground modules, single and dual in-line splices, and mounting tracks.

- The split socket design conforms to the mating pin diameter to maximize mating surfaces of the pin and socket
- High density modules conform to MIL-T-81714/17 performance requirements and accept 21 size 22 contacts in a compact 3x7 configuration with a wide verity of bus arrangements
- TJSE electronic modules can be supplied with a wide variety of diodes, resistors, capacitors, and fuses with in the spice itself allowing customers to incorporate system modules into a wire bundle

EDMO#	MFR#	DESCRIPTION
SOCKET JUNCTION MODULE		
M81714/672	M81714/67-2	2 position / series II
M81714-	M81714/60-20-01	12 position / series II / size 20
M817146020	M81714/60-20-03	12 position / series II / size 20
M81714/60-	M81714/60-20-06	12 position / series II / size 20
M81714/60	M81714/60-22-04	20 position / series II / size 22
M817146022	M81714/60-22-05	20 position / series II / size 22
M81714/601	M81714/60-22-01	20 position / size 22
TERMINAL JUNCTION MODULE		
M8171417D3	M81714/17-D33	feedback type / accepts 22, 26 AWG wire size
DISTRIBUTION SOCKET JUNCTION		
M81714610Y	M81714/61-0Y	1 bus with contact sizes 16 & 20

FLANGE MOUNT SOCKET GROUNDING MODULE



Gold flange-mount, socket grounding module mounts directly to a ground plane or ground lug, creating a multi-wire sealed grounding device. This unit may also be mounting to a bus bar for power distribution, sensing, or metering.

- Fits size 20 contacts.

EDMO#	MFR#	CONTACT SIZE	MOUNT
M8171463-	M81714/63-20F	20/20	Flange
M81714/63-	M81714/63-22F	22/22	Flange

GROUNDING BLOCK ASSEMBLIES


14-pin gndg block


14-pin receptacle


34-pin gndg block


34-pin receptacle

For installing grounding wire to an aircraft frame, the 14-pin grounding block mates with standard 6,14-, or 34-position connector housings and has a size 16 screw-machined pin contacts that are stacked, riveted, and soldered into the L-shaped metal bracket. Tin-plated brass construction with stainless steel clinch nuts and phosphor bronze gold over nickel-plated pin contacts.

EDMO#	MFR#	# OF POSITIONS	MATERIAL	CONNECTOR
GROUNDING BLOCKS - PIN CONTACT TYPE				
201355-1	201355-1	14	Phenolic GF housing	cable-to-cable, cable-to-panel
203540-1	203540-1	14	Tin-plated brass plate, gold/nickel-plated phosphor bronze contacts	cable-to-cable
201357-1	201357-1	34	Phenolic housing	cable-to-cable, cable-to-panel
204814-1	2048141	34	Tin-plated brass plate, gold/nickel-plated phosphor bronze contacts	cable-to-cable
RECEPTACLES - SOCKET CONTACT TYPE				
201298-1	2012981	14	Phenolic GF housing	cable-to-cable, panel-to-panel
200838-2	2008382	34	Phenolic GF housing	cable-to-cable, panel-to-panel
ACCESSORIES				
203618-1	203618-1	Short Turnable Jackscrew Kit | Male, 12 Position, SMD/SMT Mount		

PINS FOR GROUNDING BLOCKS



EDMO#	MFR#	AWG	FINISH
66099-1	66099-1	18-16	Brass/gold
66099-4	66099-4	18-16	Brass/gold
66103-1	66103-1	24-20	Brass/gold
66103-4	66103-4	24-20	Brass/gold

Sold in quantities of 100.

SOCKETS FOR GROUNDING BLOCKS



EDMO#	MFR#	AWG	FINISH
66101-1	661011	18-16	Brass/gold
66101-4	661014	18-16	Brass/gold
66105-1	661051	24-20	Brass/gold
66105-4	661054	24-20	Brass/gold

Sold in quantities of 100.



EDMO

FLASHBACK

Wire, Cable & Accessories

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WIRE & CABLE



CUSTOM WIRE & CABLE SERVICES

Multiple spool sizes. A variety of wire and cable. A selection to fit your every need.

EDMO Distributors, Inc. is committed to streamlining the wire and cable purchasing process by anticipating our customers' needs and being ready with solutions. We provide a variety of wire sizes in a range of continuous lengths, meaning that you'll never get a spliced wire in the middle of the roll when you order from us. We also supply wire in 100-foot lengths, which is perfect for resale or jobs requiring unusual wire that would be impractical to inventory. And of course, larger quantities are often available at a discount.



EDMO's in-house, custom spools have a core of 3.5 inches or larger to prevent kinking and if you need a different spool with a larger hole or core, we'll find it. When it comes to laser wire marking, EDMO has you covered.

All of our wire and cable is sourced carefully, ensuring complete traceability. Every spool we ship is stretch-wrapped to prevent shifting on the spool and subsequent tangling. For more information, you can check out all of our spool lengths online at edmo.com or speak to a member of our friendly sales team and they can help you to select the best product for your job and shop setup.

We provide complete laser wire marking services and can accommodate your specifications. You can order laser-marked wire on our website at edmo.com.

We also carry these wire and cable related products—continue on in this section or see the Elecrical Interconnect section of this catalog for more details.

- terminals
- splices
- connectors
- coax connectors
- cable ties
- sleeving, tubing, wraps
- cutters, strippers, crimpers
- shrink tube, shrink tube printers



MIL-SPEC M22759 WIRE

- (M22759/18, M22759/32—34, M22759/41-43)
- Airframe and avionics aerospace wire
- Soft annealed ten, silver or nickel-plated copper and alloy conductors
- Single layer and dual layer irradiated ETFE insulation
- Resists high PH cleaning fluids, fuels, lubricating oils and chemicals

EDMO#	MIL-SPEC#	GAUGE	COLOR
THIN-WALLED EXTRUDED ETFE INSULATION TIN-PLATED COPPER CONDUCTOR 600V / 150°C RATING			
26G/18-0	M22759/18-26-0	26	Black
26G/18-2	M22759/18-26-2	26	Red
26G/18-4	M22759/18-26-4	26	Yellow
26G/18-9	M22759/18-26-9	26	White
CROSSLINKED, MODIFIED ETFE INSULATION TIN-PLATED COPPER CONDUCTOR 600V / 150°C RATING			
16G/32-9	M22759/32-16-9	16	White
18G/32-9	M22759/32-18-9	18	White
20G/32-9	M22759/32-20-9	20	White
22G/32-9	M22759/32-22-9	22	White
22G/32-9-1	--	22	White / 100 ft
24G/32-9	M22759/32-24-9	24	White
CROSSLINKED, EXTRUDED, MODIFIED ETFE INSULATION & POLYIMIDE BRAID TIN-PLATED COPPER CONDUCTOR 600V / 150°C RATING			
1G/34-5D	M22759/34-1-5D	1	White
2G/34-9	M22759/34-2-9	2	White
4G/34-9	M22759/34-4-9	4	White
6G/34-9	M22759/34-6-9	6	White
8G/34-9	M22759/34-8-9	8	White
10G/34-0	M22759/34-10-0	10	White
10G/34-9	M22759/34-10-9	10	Black
12G/34-9	M22759/34-12-9	12	White
14G/34-9	M22759/34-14-9	14	White
16G/34-9	M22759/34-16-9	16	White
18G/34-9	M22759/34-18-9	18	White
20G/34-9	M22759-34-20-9	20	White
22G/34-9	M22759/34-22-9	22	White
24G/34-9	M22759/34-24-9	24	White
DUAL LAYER IRRADIATED, CROSSLINKED, EXTRUDED ETFE INSULATION NICKEL-PLATED COPPER CONDUCTOR 600V / 200°C RATING			
6G/41-9	M22759/41-6-9	6	White
10G/41-9	M22759/41-10-9	10	White
12G/41-9	M22759/41-12-9	12	White
14G/41-9	M22759/41-14-9	14	White
16G/41-9	M22759/41-16-9	16	White
18G/41-9	M22759/41-18-9	18	White
20G/41-9	M22759/41-20-9	20	White
22G/41-9	M22759/41-22-9	22	White
24G/41-9	M22759/41-24-9	24	White
DUAL LAYER IRRADIATION, CROSSLINKED, EXTRUDED ETFE INSULATION SILVER-PLATED COPPER CONDUCTOR 600V / 200°C RATING			
4G/43-9	M22759/43-4-9	4	White
10G/43-9	M22759/43-10-9	10	White
12G/43-9	M22759-43-12-9	12	White
16G/43-9	M22759/43-16-9	16	White

MIL-SPEC M22759 ETFE HOOK-UP WIRE

- QPL (Qualified Parts List) ETFE Hook-up Wire
- Standard weight

EDMO#	MIL-SPEC	GAUGE	COLOR
EXTRUDED ETFE INSULATION TIN-PLATED COPPER CONDUCTOR 600V / 150°C RATING			
0G/16-9	M22759/16-01-9	0	White
2G/16-9	M22759/16-2-9	2	White
4G/16-9	M22759/16-4-9	4	White
6G/16-0	M22759/16-6-0	6	Black
6G/16-9	M22759/16-6-9	6	White
8G/16-0	M22759/16-8-0	8	Black
8G/16-2	M22759/16-8-2	8	Red
8G/16-4	M22759/16-8-4	8	Yellow
8G/16-6	M22759/16-8-6	8	Blue
8G/16-9	M22759/16-8-9	8	White
10G/16-2	M22759/16-10-2	10	Red
10G/16-4	M22759/16-10-4	10	Yellow
10G/16-9	M22759/16-10-9	10	White
10G/16-0	M22759/16-10-0	10	Black
12G/16-0	M22759/16-12-0	12	Black
12G/16-2	M22759/16-12-2	12	Red
12G/16-6	M22759/16-12-6	12	Blue
12G/16-9	M22759/16-12-9	12	White
14G/16-0	M22759/16-14-0	14	Black
14G/16-2	M22759/16-14-2	14	Red
14G/16-4	M22759/16-14-4	14	Yellow
14G/16-5	M22759/16-14-5	14	Green
14G/16-9	M22759/16-14-9	14	White
16G/16-0	M22759/16-16-0	16	Black
16G/16-1	M22759/16-16-1	16	Brown
16G/16-2	M22759/16-16-2	16	Red
16G/16-3	M22759/16-16-3	16	Orange
16G/16-4	M22759/16-16-4	16	Yellow
16G/16-5	M22759/16-16-5	16	Green
16G/16-6	M22759/16-16-6	16	Blue
16G/16-7	M22759/16-16-7	16	Purple
16G/16-9	M22759/16-16-9	16	White
18G/16-0	M22759/16-18-0	18	Black
18G/16-1	M22759/16-18-1	18	Brown

EDMO#	MIL-SPEC	GAUGE	COLOR
18G/16-2	M22759/16-18-2	18	Red
18G/16-3	M22759/16-18-3	18	Orange
18G/16-4	M22759/16-18-4	18	Yellow
18G/16-5	M22759/16-18-5	18	Green
18G/16-6	M22759/16-18-6	18	Blue
18G/16-8	M22759/16-18-8	18	Grey
18G/16-9	M22759/16-18-9	18	White
20G/16-0	M22759/16-20-0	20	Black
20G/16-1	M22759/16-20-1	20	Brown
20G/16-2	M22759/16-20-2	20	Red
20G/16-3	M22759/16-20-3	20	Orange
20G/16-4	M22759/16-20-4	20	Yellow
20G/16-5	M22759/16-20-5	20	Green
20G/16-6	M22759/16-20-6	20	Blue
20G/16-7	M22759/16-20-7	20	Purple
20G/16-8	M22759/16-20-8	20	Grey
20G/16-9	M22759/16-20-9	20	White
22G/16-0	M22759/16-22-0	22	Black
22G/16-1	M22759/16-22-1	22	Brown
22G/16-2	M22759/16-22-2	22	Red
22G/16-3	M22759/16-22-3	22	Orange
22G/16-4	M22759/16-22-4	22	Yellow
22G/16-5	M22759/16-22-5	22	Green
22G/16-6	M22759/16-22-6	22	Blue
22G/16-7	M22759/16-22-7	22	Purple
22G/16-8	M22759/16-22-8	22	Grey
22G/16-9	M22759/16-22-9	22	White
24G/16-0	M22579/16-24-0	24	Black
24G/16-1	M22579/16-24-1	24	Brown
24G/16-2	M22579/16-24-2	24	Red
24G/16-3	M22579/16-24-3	24	Orange
24G/16-4	M22579/16-24-4	24	Yellow
24G/16-5	M22579/16-24-5	24	Green
24G/16-6	M22579/16-24-6	24	Blue
24G/16-7	M22579/16-24-7	24	Purple
24G/16-8	M22579/16-24-8	24	Grey
24G/16-9	M22579/16-24-9	24	White

MIL-SPEC 27500 WIRE

Mil-C-27500 wire is commonly used for both shielded and unshielded wire constructions in avionics, aerospace, and airframe applications.

- White in color.



EDMO#	MIL-SPEC	GAUGE	# OF CONDUCTORS
THIN-WALL EXTRUDED WHITE ETFE INSULATION TIN-PLATED COPPER CONDUCTOR 600V / 150°C RATING			
10TG1T14	M27500-10TG1T14	10	1
12TG1T14	M27500-12TG1T14	12	1
14TG1T14	M27500-14TG1T14	14	1
16TG1T14	M27500-16TG1T14	16	1
18TG1T14	M27500-18TG1T14	18	1
20TG1T14	M27500-20TG1T14	20	1
22TG1T14	M27500-22TG1T14	22	1
24TG1T14	M27500-24TG1T14	24	1
12TG2T14	M27500-12TG2T14	12	2
14TG2T14	M27500-14TG2T14	14	2
16TG2T14	M27500-16TG2T14	16	2
18TG2T14	M27500-18TG2T14	18	2
20TG2T14	M27500-20TG2T14	20	2
22TG2T14	M27500-22TG2T14	22	2
24TG2T14	M27500-24TG2T14	24	2
12TG3T14	M27500-12TG3T14	12	3
14TG3T14	M27500-14TG3T14	14	3
16TG3T14	M27500-16TG3T14	16	3
18TG3T14	M27500-18TG3T14	18	3
20TG3T14	M27500-20TG3T14	20	3
22TG3T14	M27500-22TG3T14	22	3
24TG3T14	M27500-24TG3T14	24	3
16TG4T14	M27500-16TG4T14	16	4
20TG4T14	M27500-20TG4T14	20	4
22TG4T14	M27500-22TG4T14	22	4
24TG4T14	M27500-24TG4T14	24	4
22TG5T14	M27500-22TG5T14	22	5
22TG7T14	M27500-22TG7T14	22	7
24G10C TEF	M27500-24TG10	24	10
EXTRUDED ETFE INSULATION TIN-PLATED COPPER CONDUCTOR 600V / 150°C RATING			
20TE1T14	M27500-20TE1T14	20	1
22TE1T14	M27500-22TE1T14	22	1
24TE1T14	M27500-24TE1T14	24	1
20TE2T14	M27500-20TE2T14	20	2
22TE2T14	M27500-22TE2T14	22	2
24TE2T14	M27500-24TE2T14	24	2
16TE3T14	M27500-16TE3T14	16	3
20TE3T14	M27500-20TE3T14	20	3
22TE3T14	M27500-22TE3T14	22	3
24TE3T14	M27500-24TE3T14	24	3
CROSSLINKED, EXTRUDED, MODIFIED ETFE AND POLYIMIDE BRAID INSULATION TIN-PLATED COPPER CONDUCTOR 600V / 150°C RATING			
20SD1T14	M27500-20SD1T14	20	1
22SD1T14	M27500-22SD1T14	22	1
22SD1T23	M27500-22SD1T23	22	1
24SD1T14	M27500-24SD1T14	24	1
20SD2T23	M27500-20SD2T23	20	2
22SD2T23	M27500-22SD2T23	22	2
24SD2T23	M27500-24SD2T23	24	2
22SD3T23	M27500-22SD3T23	22	3
24SD3T23	M27500-24SD3T23	24	3
CROSS-LINKED, EXTRUDED ORANGE, MODIFIED ETFE WITH TIN-PLATED COPPER ROUND SHIELDING 600V / 150°C RATING			
22TG2T23	M27500-22TG2T23	22	2
CROSS-LINKED, EXTRUDED, MODIFIED XL-ETFE WITH NICKEL-PLATED COPPER ROUND SHIELDING 600V / 200°C RATING			
22SM2N23	M27500-22SM2N23	22	2

FLIGHTSAFE 260XL AIRCRAFT WIRE

EDMO# 22G/3-9
MFR# M25038/3-22-9

FlightSafe 260XL is a specially designed non-asbestos high-temperature, fire-resistant aircraft wire for use under emergency conditions involving possible exposures to flame with temperatures up to 2,000°F. Provides critical high temperature fire resistance

- All components 260°C rated in continuous service
- Retains insulation integrity for a minimum of 15 minutes at 2,000°F per M25038
- Gives excellent resistance to abrasion, moisture, and aviation fluids
- Withstands grueling vibration and flexing
- Available in multi-conductor, color coded, shielded and jacketed constructions

Temperature Rating:	-54°C to 260°C
Voltage Rating:	600V RMS
Cold Bend Qualification Tests:	Passes -65°F
Thermal Shock Qualification Test:	Passes cycling -67°F to 500°F

COAXIAL CABLE/MIL-C-17



RG-179



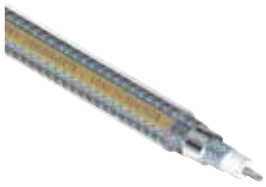
RG-393

High temperature, high performance QPL approved MIL-C-17 coax cables for military, commercial and industrial applications.

EDMO#	MFR#	DESCRIPTION	TEMP RANGE/ VOLTAGE
PVCNC | TIN-PLATED COPPER CONDUCTOR/SHIELDING			
8262	8262-10-1000	BELDEN RG-58C/U MIL-C-17G	-40°C to 80°C / 1400V
LDPE | TIN-PLATED COPPER CONDUCTOR/SHIELDING			
RG-58C/U	RG-58C/U	4450/REV C UNIVERSAL SPEC	-55°C to 70°C / 1,900V
PTFE | SILVER COATED COPPER CONDUCTOR/SHEILDING			
RG-142	RG-142	RGS142/MIL-C-17/060"G"	-55°C to 200°C / 1,900V
RG-178	M17/93-RG178	M17/93-RG178	-55°C to 200°C / 1000V
RG-179	RG-179	RG-179/MIL-C-17/094"G"	-55°C to 200°C / 1,200V
RG-316	RG-316	RGS-316/MIL-C-17/113"G"	-55°C to 200°C / 1,200V
RG-393	M17/127-RG393	RGS-393/MIL-C-17/127"G"	-55°C to +200°C / 1,500V
RG-400	M17/128-RG400	RGS-400/MIL-C-17/128"G"	-55°C to +200°C / 1,900V

311501 COAXIAL CABLE

EDMO# 311501
MFR# 311501



Designed for unmatched performance, this 50 Ohm coaxial cable sets a new standard in the aviation industry. Constructed with a solid 15 AWG silver-plated copper conductor and encased in a high-temperature fluoropolymer dielectric, it ensures minimal signal loss and maximum durability. With triple-layered shielding for superior electromagnetic interference protection and a clear, high-temperature fluoropolymer jacket, this cable offers unparalleled reliability and safety.

- Meets or exceeds the rigorous burn requirements of Federal Aviation Regulations
- Compatible with a wide array of connectors
- Ideal choice for sophisticated avionic systems requiring the highest standards of performance and safety
- Exceptional quality and reliability

Weight:	5.1 lb/100 ft, nominal
Jacket Diameter:	0.229 in, nominal
Jacket material:	Clear high temperature fluoropolymer
Impedance:	50Ω
Center conductor type:	15 AWG solid silver-plated copper
Dielectric type:	High temperature fluoropolymer
Number of shields:	3
Temperature:	-55°C to 200°C

LMR400 50 OHM BRAIDED COAX

EDMO# LMR400/1
MFR# TIMLMR400



LMR400 is a UV resistant, polyethylene jacketed, 50Ω braided coax cable. This cable is designed for outdoor exposure and has a life expectancy in excess of 20 years. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.

Jacket Diameter:	0.405 in
Jacket material:	PE
Impedance:	50Ω
Frequency:	6 GHz, max.
Center conductor type:	Solid / single strand
Dielectric type:	PE
Number of shields:	2
Temperature:	85°C, max.

U COAXIAL CABLE



RFW-5030, 5509, 5922 is a RG-58A coaxial cable type that comes in 25 or 50 foot lengths and is terminated with either BNC, TNC, or BNC and TNC connectors.

- Maximum frequency: 1 GHz
- Impedance: 50Ω
- Outer diameter: 0.195 in

EDMO#	MFR#	CONNECTOR	LENGTH
RG-58A CABLE			
RFW5030300	RFW-5030-300	BNC to BNC	25 ft
RFW5509300	RFW-5509-300	BNC to TNC	25 ft
RFW5922300	RFW-5922-300	TNC to TNC	25 ft
RFW5030600	RFW-5030-600	BNC to BNC	50 ft
RFW5509600	RFW-5509-600	BNC to TNC	50 ft
RFW5922600	RFW-5922-600	TNC to TNC	50 ft

T12243 DATAMATES® TTP/ASCB DATA BUS CABLE

EDMO# T12243
MFR# T12243



T12243 Datamates® TTP/ASCB Data Bus/CAN Bus cable is approved by the Honeywell Commercial Flight System Group. This Databus cable has a single pair of 125Ω conductors that is approved for the ASCB Data bus and Servo CAN Bus for the Primus EPIC/APEX Integrated Avionics system. This Databus cable is designed to simplify the termination process, pin extraction, and improve the overall quality of the installation. Dual-layer insulation allows this wire to meet specific impedance requirements while providing for easy pin extraction of the contact.

- Provides the primary interface for the Honeywell/Sperry SPZ-8000 DAFCS which includes EFIS, AHRS and DADC
- Can be used with CAN Bus communications for the Honeywell/Sperry Primus II Radio System
- RoHS compliant while passing FAA flammability requirements of FAR Part 23 and 25, Appendix F
- Skydrol resistant
- Tin-plated, copper braided shield
- Foam Fluoropolymer Outer insulation / solid PFA inner insulation

Weight:	27.5 lb/100 ft (3.7 kg/100 m)
Outer Diameter:	0.20 in (4.95 mm)
Impedance:	125Ω
Conductor	24 AWG stranded SPCA
Shield coverage:	100% (foil), 90% (braided)
Minimum Bend Radius:	1 in (25.4 mm)
DC Resistance:	27.5Ω/1,000 ft (90.2Ω/1,000 m)

GIGAFLIGHT CAT5 ETHERNET CABLE

EDMO# 100T24CAT5
MFR# GF100T-24CAT5



Gigaflight high speed CAT5 data bus cable is designed to meet requirements used in ARINC 646 local area network (LAN) applications and also RS422 and RS485 applications. This cable can be used in high-speed data bus (HSDB) system commonly used in Garmin systems. Constructed using a double-shield, 100% foil and 90% round wire braid shield offers effective shielding for most aerospace HSDB applications.

- 24 AWG stranded tin-plated copper conductor
- Foamed, high-temp fluoropolymer insulation
- Two-twisted pair conductors: blue/white & white/blue, orange/white & white/orange
- Composite foil inner shield
- 38 AWG tin-plated, copper braid outer jacket
- White, laser-markable Tefzel jacketing

Weight:	30 lb/1000ft (44.65 kg/1000m)
Outer Diameter:	0.234 in (5.84 mm)
Impedance:	100Ω
Operating Temperating:	-55°C to 150°C
Attenuation:	2.1 dB/100 ft (6.9 m) @ 10 Hz
Capacitance:	12.4 pF/ft (40.68 m)
Dielectric Voltage Rating:	0.9 kV RMS

GIGAFLIGHT HIGH-SPEED CAN BUS CABLE

EDMO# 120T24CANB
MFR# GF120T-24CANB



Gigaflight high-speed 24-AWG CAN Bus cable is a laser wire markable, aerospace-grade CAN Bus approved by Garmin for use with Garmin's CAN Bus System architectures. CAN Bus is designed to be a 120 ohm Twinax, which means the insulation thickness is increased to achieve 120 ohms between the conductors. This increase in thickness creates an issue with contact extraction because the insulation outside diameter is larger than the contact. Gigaflight CAN Bus have solved this issue by using a dual-wall insulation design.

- 24 AWG stranded, silver-plated HSCA conductors
- Solid, high-temp fluoropolymer inner insulation
- Foamed, high-temp fluoropolymer outer construction
- FEP filler
- PTFE binder tape
- Tin-plated copper strip braid, 92% min. coverage
- White, laser-markable Tefzel jacket

Cable Weight:	17.5 lb/1000ft (26.04 kg/1000m)
Cable Diameter:	0142 in (3.56 mm)
Min. bend radius:	0.76 in (19.3 mm)
Impedance:	120Ω
Velocity of Propagation:	75%
Attenuation (dB/100 ft):	1 MHz – 1.0 dB/100 ft, 6 Mhz – 2.0 dB/100 ft, 10 MHz – 2.7 dB/100 ft, 100 MHz – 7.4 dB/100 ft
Temperature range:	-55°C to 150°C

MAXFLIGHT™ HIGH SPEED DIGITAL DATA BUS CABLE

EDMO# CAN24TST12
MFR# CAN24TST120



Maxflight™ high performance data bus cables provide high speed data transportation for popular data bus protocols such as HDMI, DVI, USB, Firewire, and CAN bus. This high-performance data bus cable is designed to meet the needs of the aerospace, defense, military, ground transpiration, industrial and RF communication markets. Ideal applications include Ethernet backbone, avionics, high-definition video, cabin management systems, in-flight entertainment, and data bus applications.

- Exceptional electrical and mechanical performance
- Operating performance from -55°C to 200°C
- Meets requirements of aerospace and other harsh environments including FAR 25.853 flammability and Boeing/Airbus smoke and toxicity
- Multiple configurations to meet the needs of almost any application
- Advanced technologies such as bonded-pairs and an innovative X-Web for reduced cross-talk

Cable Weight:	14 lb/1000 ft (20 Kg/1000 m)
Cable Diameter:	0.142 in (20 mm)
Min. bend radius:	1.42 in (36 mm)
Impedance:	120Ω
Velocity of Propagation:	79%
Attenuation (dB/100 ft):	1 @ 1 MHz, 2 @ 6 Mhz, 2.7 @ 10 MHz
Temperature range:	Operating: -55°C to 150°C
Approvals:	Meets FAR 25.853 & Boeing/Airbus Smoke and Toxicity

GF100-26HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE CABLE

EDMO# GFAHDMI305
MFR# GFAHDMI-305-060



The GF100-26HDMI is an aerospace, high-speed 2.0 HDMI cable designed to support 4K p60/59, 12Gbps images up to15 ft, as well as, 4K p30/24, 6Gbps and 1080p 60Hz up to 50 ft. This cable is backward compatible to all current features pertinent to the HDMI specifications.

- DVI-D to DVI-D plug
- Five shielded twisted pairs

Cable Weight:	76 lb/1,000 ft (113.1 kg/1,000 m)
Cable Diameter:	0.296 in (7.52 mm)
Min. bend radius:	1.5 in (38.1 mm)
Impedance:	100Ω
Velocity of Propagation:	75%
Attenuation (dB/100 ft):	2.5 dB @ 300 MHz / 5 dB @ 825 Hz / 25 dB @ 5,100 MHz
Temperature range:	-55°C to 150°C (operating)
Approvals:	RoHS & REACH, & meets Federal Aviation Regulations 14 CFR part 25.869 (a)(4), Appendix F part I (a)(3)

V73263 75Ω COAXIAL CABLE

EDMO# V73263

V73263 is a 75 ohm coaxial cable with low VSWR and attenuation characteristics for high-definition digital video applications. The V73263's construction includes a silver-plated copper center conductor, a foamed fluoropolymer dielectric and is double-shielded with a helically-wound silver-plated copper strip and a tin-plated copper braid. This combination yields better than -110 dB shielding effectiveness. Because of the critical effect of impedance-matched terminations, a comprehensive family of 75 ohm connectors are available.



- Silver-Plated Copper conductor
- FEP dielectric
- Extruded ETFE, White (laser markable) jacket

Conductor:	26 AWG Stranded SPC
Temperature Range:	-55°C to 150°C
Outer Diameter:	0.13 in / 3.18 mm
Minimum Bend Radius:	0.65 in / 16.51 mm
Weight:	1.50 lb/100 ft (2.20 kg/100m)

V76261 75Ω COAXIAL CABLE

EDMO# V76261



The V76261 75 Ohm coaxial cable is substantially stronger (more than twice the tensile strength), has better attenuation characteristics, and has superior shielding effectiveness compared to M17/94-RG179 cables. The V76261 construction includes a stranded silver-plated copper center conductor nearly 60% larger than in RG179 — yet the overall diameter of the cable increases by only 23%. To maintain correct impedance in its small diameter, a foamed fluoropolymer dielectric surrounds the center conductor. The cable is double-shielded with a braid of tin-plated copper and a 100%-coverage wrapper. This combination yields better than -90 dB shielding effectiveness.

- Silver-Plated Copper conductor
- FEP dialectic
- Extruded ETFE, White (laser-markable) jacket

Conductor:	26 AWG Stranded SPC
Temperature Range:	-55°C to 150°C
Outer Diameter:	0.12 in / 3.10 mm
Minimum Bend Radius:	0.60 in / 15.24 mm
Weight:	1.10 lb/100ft (1.60 kg/100 m)

STORMSCOPE COMPOSITE SYNCRO CABLE

EDMO# WX1000-SYN
MFR: CA-1850



These cables are approved by L-3 Communications Flight Systems for installing Models WX-1000+ Stormscope Weather Mapping Systems and Models CWS 691, TCAS 791 and Skywatch 497/899 Collision Warning / Collision Avoidance Systems. All cables have multiple shields of tinned copper braid with 95% minimum coverage. They are Skydrol resistant, RoHS compliant and meet the FAA flammability requirements of FAR Part 23 and 25, Appendix F; comply with MIL-C-27500 as applicable.

- Approved cables for installing Stormscope WX-1000+ models CWS 691, TCAS 791 and Skywatch 497/899 Collision Warning / Collision Avoidance Systems
- Meets the FAA flammability requirements

Number of Conductors:	7
Wire AWG Pairs / Triad:	24 / 24
Jacket:	Fluoropolymer / Clear
Outside Diameter:	0.280 in
Weight:	8.2 lb / 100 ft

100 BASE-T STAR QUAD DATA BUS CABLE



NETflight® Ethernet cables in single pair, dual pair and quadrax configurations are widely used throughout the aerospace industry and provide superior electrical and mechanical performance. Typical applications include: Ethernet backbone, avionics, high-definition video, cabin management systems, in-flight entertainment and databus applications.

- Exceptional electrical and mechanical performance
- Advanced technologies such as Bonded-Pairs and an innovative X-Web reduce cross talk and ensure installable performance
- Meets FAR 25.853 and Boeing/Airbus Smoke and Toxicity

Cable Type / Protocol:	Ethernet CAT 5e
Number of Conductors:	4
Capacitance (pF/ft)	13
Temperature:	-55°C – 150°C
Impedance:	100Ω
Insulation Material	PTFE

EDMO#	MFR#	NOM. SIZE	AWG	WEIGHT
NF24Q100	NF24Q100	0.190 in	22	35 lb / 1,000 ft
24Q100-01	NF24Q100-01	0.160 in	24	24.5 lb / 1,000 ft

1000BASE-T DATAMASTER Q100 CABLE

EDMO# Q10024016
MFR: Q100-24(19)-TT-F



DataMaster® Q100 series cable from has a four-connector "Quadrax" design offering 1000 Base-T Ethernet support and Cat 5e performance. These lightweight and small cables are designed specifically for high speed airborne data applications. The lightweight Q100 Data Quad cables are ideal in many aircraft systems where thousands of feet are needed such as in-flight entertainment systems.

- Stable electrical performance supporting 1000 base T Ethernet Cat5e performance
- Lightweight and small size for high speed data applications
- Silver plated copper and copper alloy conductors with tin or silver plated copper braids
- Non-shrink back insulation terminates easily and fits standard connectors
- 1000 Base T Cat 5e performance
- 100 Ohm and 150 Ohm impedances are standard and temperature rated at 150°C and 200°C
- Four conductor quadrax design
- Proprietary fluoropolymer insulation
- Fluoropolymer tape binder
- Flat TPC inner braid and round wire TPC outer braid
- SPC and other shield configurations available
- FEP jacket (laser markable ETFE and PFA available)
- Supports Gigabit Ethernet, FDDI, USB, and 1397 standards

Cable Type / Protocol:	Ethernet CAT 5e
Conductor:	24(19) SPCA
Wire Gauge:	24
Capacitance:	13 pF/ft
Over-all Diameter:	0.161 in
Weight:	22 lb / 1,000 ft

TYPE-K

EDMO# 70657174
MFR: 8275915



This silicon rubber insulated thermocouple cable features a twisted, 2-wire connector. The silicon rubber jacket has excellent electrical and mechanical properties; it is highly flexible and resistant to oils, acids, and other adverse fluids.

- Maximum operating temperature of 200°C
- Supplied in 25 or 50 meter lengths
- Tolerance Class 2 to IEC-585

Length:	164 ft
Insulation Material:	Silicone rubber
Jacket Material:	Silicone rubber
Temperatures:	-40°F to 392°F (-40°C to 200°C)
Number of Conductors:	2-wire
Thermocouple Type:	Type K
Wire Size:	24 AWG
Wire Type:	Twisted

COIL CORD



This aircraft grade coil cord is made up of multiple individual 22 AWG conductors each with a different color for easy identification. It is an excellent choice for installation between the control wheel and the instrument panel for functions such as Autopilot Trim, Autopilot Disconnect, Push-To-Talk, Ident, and more. It is designed to extend and contract as needed to allow full range movement of the control wheel. This coil cord has tested to the latest FAA Flame standards (14 CFR Part 25.869 (a)(4) Appendix F Part I (a)(3)).

- Six-inch long pig-tails

EDMO#	MFR#	# OF CONDUCTORS	AWG
DCC2212-6	DCC2212-6	12	22
DCC2218-6	DCC2218-6	18	22



DATA ETHERNET CABLE

These data and Ethernet cables are designed for airborne 10 and 100 Base-T Local Area Network applications where high data speeds and high temperature requirements are needed.


E10424


D620224


EDI-CAT5-1

EDMO#	MFG#	COLOR	DIELECTRIC VOLTAGE	CONDUCTOR	SHIELDING	TEMP RANGE
MEETS ARINC SPECIFICATIONS 664 | 1.5 KV RMS						
D620224	D620224	Clear ETFE jacket	1.5 kV RMS	24 AWG stranded TPC, 1-pair (2-conductor)	Tin-plated copper braided shield	-55°C to 150°C
E10424	E10424	Blue FEP jacket	1.5 KV RMS	24 AWG stranded SPC, 2-pair, (4-conductor)	Silver-plated copper shield, foil shield	-55°C to 200°C
MEETS ARINC SPECIFICATIONS 646						
392404	392404	White	--	24 AWG stranded TPC, 2 pair (4-conductor)	Tin-plated copper/aluminum mylar foil	-55°C to 200°C
EDI-CAT5-1	071311	White / laser markable	--	24 AWG stranded TPC, 2 pair (4-conductor)	Tin-plated copper/aluminum polyester foil	-55°C to 200°C

OVAL BRAIDED WIRE

Tinned-copper braided wire shielding is constructed using a tight weave of multi-strand, soft drawn tinned copper wire that is ideal for shielding short-run cables and providing easy radial termination. It is useful to provide an excellent low resistance ground path and additional shielding in retrofit applications.

- Ideal for providing point-to-point ground path and wire/cable shielding



EDMO#	MFR#	NOMINAL I.D.	BRAID CONSTRUCTION	APPROX. AWG	NOMINAL CIRCULAR MIL AREA	APPROX. CURRENT CAPACITY
2138	2138-SILVER	11/64 in (4.37 mm)	34 indiv. Ends 24 carriers 120 total ends	14 AWG	4770 cmil	32 Amps
2142 SV005	2142-SILVER	1/4 in (6.35 mm)	34 indiv. Ends 24 carriers 168 total ends	12 AWG	6678 cmil	41 Amps
2146 SV005	2146-SILVER	1/2 in (12.70 mm)	34 indiv. Ends 48 carriers 336 total ends	9 AWG	13356 cmil	62 Amps

COPPER BREAKAWAY WIRE

ASTM B3 soft or annealed bare copper wire for grounding electrical systems where high conductivity and flexibility is required.



EDMO#	MFR#	NOMINAL DIAMETER
ASTM-016	016C0PPER1L	0.016 mm

SILICONE INSULATED TEST LEAD WIRE

Silicone insulated test lead wire comes with a 50 foot length for making custom length test lead wires and patch cords. While rated for high voltages and temperatures, this test lead wire features a high strand count and superb flexibility.

- Comply with International Safety Standard CAT III, IEC61010-031
- 18 AWG wire gauge
- -58°F to 302°F (-50°C to 150°C)
- 10,000 DC / 20A current rating

EDMO#	MFR#	LENGTH / COLOR
6733-0	6733-0	50 ft / Black

NYLON LACING CORD

Braided nylon lacing cord that meets specification MIL- T43435B, Type 1, size 3, finish B. This lacing cord is coated with a micro-crystalline wax with a melting point above 130°F (55°C) and non-flaking characteristics. It provides excellent knot retention but does not feel waxy to the touch.

- 500 yard length


BLK STRING

WHT STRING

EDMO#	MFR#	MIL-SPEC
BLK STRING	103-2 Black HW	MIL-T43435B
WHT STRING	103-2 Natural HW	MIL-T43435B

TABLETOP LASER WIRE MARKING SYSTEM

TRI-STAR TECHNOLOGIES



The M-100L is a fully automatic, computer controlled, high speed, solid state UV Laser wire and cable marking system. Lasers have become one of the preferred means of marking wire and cable because of their reliability, throughput, cleanliness and very low maintenance requirements.

A key aspect of UV Laser marking is the absorption of the laser radiation on the surface of the wire insulation that changes its color without any damage to the material.

- Remote Diagnostic & Troubleshooting
- High speed, up to 100 feet per minute
- Utilizes a solid state 355nm UV laser system to allow printing on almost all insulation materials
- Meets MIL-W-5088L and MIL-M-81531.
- Qualified per the BAC5152 spec.
- Surface Print, no insulation damage
- Three (3) font sizes of horizontal and vertical characters
- Accommodates wire/cable: .025" to .250" or larger & round/twisted cable

EDMO#	MFR#	DESCRIPTION
M-100L	TST-M100L-FG-TT-A	Tabletop Laser Wire Marking System
ACCESSORIES		
TST-BELTS	TST-TB-110XL075	Replacement belts

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Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

502-3 NOMEX TAPE

BREYDEN PRODUCTS

EDMO#: 502-3N
MFR#: 502-3N XT T



Mil Spec A-A-52084 Nomex Tape has a flat braid manufactured from high tenacity, continuous filament polyester yarn. This tape is impregnated with a specially formulated synthetic elastomer to improve knot holding and tying characteristics.

- Synthetic rubber or elastomer finish
- Woven tracer
- Made from continuous filament
- Stable to 500ºF
- 250 yard spool

ECONOLASE PORTABLE UV LASER WIRE MARKER

TRI-STAR TECHNOLOGIES



The Econolase is a portable, fully automatic, turnkey wire marking system that utilizes a UV solid-state laser with an integrated high-speed scanner. At less than 35 lbs, this unit is completely portable. The Econolase allows for manual feed of wire and cable, making it ideally suited for low/medium print jobs and marking of already terminated cable assemblies.

The Econolase supports both vertical and horizontal text orientation, programmable message spacing, and source and destination coding on wire ends. User-friendly software allows unlimited font selection (any TrueType font for any language) as well as full graphics capabilities (pictures, logos, bar codes, etc.).

The UV laser system is fully compliant with both common military and commercial specifications, making it a perfect tool for the aerospace, automotive, and electronics industries.

- 355 nm solid-state UV laser
- Class 1 for use on open shop floor
- Processes continuous filament or segmented wires or cables from 26 AWG to 4 AWG
- Fully compliant with all known Military and Commercial specifications
- Full graphics capable
- Prints any alphanumerical information in any font, language, size, also bar codes, logos, etc.
- Processes already terminated discrete wires and cables (with connector shells installed)
- Prints on shrink tubing or any other laser-markable substrate
- Prints in single and multiple lines
- No limits on minimum or maximum length of wires/cables
- Ideal for small to medium production runs, on-site harness repairs or installations
- Upgradeable to M100LFG-TT-A

EDMO#	MFR#	DESCRIPTION
M-100LFGTT	M-100L-FG-TT-ECONOLASE	Econolase Portable UV Laser Wire Marker
ACCESSORIES		
M-100LCASE	M-100LCASE	Portable case - Hard shell
TSTCB00157	TST-CB-00157	Set of cutting blades

CABLE TIES

TY-RAP CABLE TIES

THOMAS & BETTS

TY-RAP cable ties are self-locking and have a low-profile, oval head that is less likely to snag on uneven surfaces and is easier to pull through bulkheads. The non-magnetic, stainless steel locking device provides just the right amount of holding strength and the structure of the cable tie ensures a wide array of positions with precise adjustments when tightened around a cable bundle because it does not rely on notches.

- No notches for precise adjustment
- Turned-up tail allows the user to orient the tie as needed
- Uses a ribbed, stippled friction surface to prevent slippage
- Rounded edges prevent damage to cable
- Sold in quantities of 1,000


TY26M


TY26MX

EDMO#	MFR#	MIL-SPEC	COLOR	DIMENSIONS	MAX WIRE BUNDLE DIA.
18 LB MIN. TENSILE STRENGTH					
TY2315M	TY52315M	--	Natural	7 x 0.10 in	1.50 in
TY232M	TY232M	--	Natural	8 x 0.10 in	1.97 in
TY232MX	TY232MX	--	Black	8 x 0.10 in	1.97 in
TY234M	TY234M	--	Natural	14 x 0.10 in	4 in
TY234MX	TY234MX	--	Black	14 x 0.10 in	4 in
TY23M	TY23M	MIL-SPEC MS3367-4	Natural	3.62 x 0.09 in	0.63 in
TY23MX	TY23MX	MIL-SPEC MS3367-4-0	Black	3.62 x 0.09 in	0.63 in
TY51M	TY51M	--	Natural	3.6 x 0.1 in	0.63 in
30 LB MIN. TENSILE STRENGTH					
TY24M	TY24M	MIL-SPEC MS3367-5	Natural	5.5 x 0.14 in	1.14 in
TY24MX	TY24MX	MIL-SPEC MS3367-5-0	Black	5.5 x 0.14 in	1.14 in
TYH25M*	TYH25M	--	Green	7.31 x 0.187 in	3.5 in
40 LB MIN. TENSILE STRENGTH					
TY242M	TY242M	--	Natural	8.19 x 0.142 in	1.97 in
TY242MX	TY242MX	--	Black	8.19 x 0.142 in	1.97 in
TY244M	TY244M	--	Natural	14.5 x 0.138 in	4.05 in
TY26M	TY26M	--	Natural	11.08 x 0.14 in	3 in
TY26MX	TY26MX	--	Black	11.08 x 0.14 in	3 in
50 LB MIN. TENSILE STRENGTH					
TY25M	TY25M	MIL-SPEC MS3367-1-9	Natural	7.31 x 0.184 in	1.77 in
TY25MX	TY25MX	MIL-SPEC MS3367-1-0	Black	7.31 x 0.184 in	1.77 in
TY253M	TY253M	--	Natural	11.6 x 0.19 in	3.07 in
TYZ525M	TYZ525M	--	Aquamarine	7.3 x 0.2 in	1.75 in
TY28M	TY28M	MIL-SPEC MS3367-2-9	Natural	14.2 x 0.19 in	4.01 in
TY28MX	TY28MX	MIL-SPEC MS3367-2-0	Black	14.2 x 0.19 in	4.01 in
120 LB MIN. TENSILE STRENGTH					
TY27M	TY27M	MIL-SPEC MS3367-3	Natural	13.4 x 0.27 in	3.54 in
TY27MX	TY27MX	MIL-SPEC MS3367-3-0	Black	13.4 x 0.27 in	3.54 in
TYZ528M**	TYZ528M	--	Aquamarine	14.19 x 0.166 in	4.01 in
TY29M	TY29M	--	Nature	30.3 x 0.27 in	9.02 in

* Heat stabilized polyamide (Nylon 6.6) for temperatures up to 105°C
** Fluoropolymer ETFE material for temperature up to 150°C

EDMO: YOUR SOURCE FOR WIRE & CABLE

EDMO has a large variety of wire and cable available. If you don't see what you need here, it's likely we have it, or can order it in for you. You can also check out the newly improved edmo.com. With thousands of parts a click away, EDMO has you covered. And as always, our friendly customer service and sales staff is here for you. Call us at 1.800.235.3300.



LOW PROFILE CABLE TIES

COBRA CABLE TIES

Low profile Cobra cable ties in UV black and natural 6/6 nylon. Cobra cable ties provide parallel entry into any ultra low-profile latching head, a snag proof, smooth exterior, and a pocket that captures the trimmed stub.

- 50 lb tensile strength



C750LP0C

EDMO#	MFR#	MIL-SPEC	COLOR	DIMENSIONS	QTY PER PACK
C750LP0C	C7-50-LP-0C	MS3376-3-0	UV black	7.5 × 0.178 in	100
C750LP0M	C7-50-LP-0C	MS3376-3-0	UV black	7.5 × 0.178 in	1,000
C750LP9C	C7-50-LP-9C	MS336723-9	Natural	7.5 × 0.178 in	100
C750LP9M	C7-50-LP-9M	MS3367-1-9	Natural	7.5 × 0.178 in	1,000

STANDARD CABLE TIES

HELLERMANNTYTON CORP

HellermannTyton Standard Cable Ties have interior serrations to increase gripping power and a smooth head design that ensures high tensile strength with low insertion force needed.

- Turned-up tail allows the user to orient the tie as needed
- Can be applied by hand or with tensioning tools



T18L T30R-0

EDMO#	MFR#	MIL-SPEC	COLOR	DIMENSIONS	MAX. WIRE BUNDLE DIA.
18 LB MIN. TENSILE STRENGTH					
T18L	T18L9M4	--	Natural	8 x 0.10 in	2.17 in
T18L-0	T18L0M4	--	Black	8 x 0.10 in	2.17 in
T18R	T18R9M4	MS3367-4-9	Natural	4 x 0.10 in	0.87 in
T18R-0	T18R0M4	--	Black	4 x 0.10 in	0.87 in
T18S	T18S9M4	--	Natural	3.27 x 0.09	0.63 in
T18S-0	T18S0M4	--	Black	3.3 x 0.10 in	0.63 in
30 LB MIN. TENSILE STRENGTH					
T30L0M4	T30L0M4	--	Black	7.8 x 0.14 in	1.97 in
T30L9M4	T30L9M4	--	Natural	7.8 x 0.14 in	1.97 in
T30R	T30R9M4	MS3367-5-9	Natural	5.8 x 0.14 in	1.38 in
T30R-0	T30R0M4	--	Black	5.8 x 0.14 in	1.38 in
T30LL9M4	T30LL9M4	--	Natural	11 x 0.14 in	3.15 in
40 LB MIN. TENSILE STRENGTH					
T40L	T40L9M4	--	Natural	14.6 x 0.16 in	4.13 in
T40L-0	T40L0M4	--	Black	14.6 x 0.16 in	4.13 in
T40L0C2	T40L0C2	--	Black	14.6 x 0.16 in	4.13 in
T40R	T40R9M4	--	Natural	8.3 x 0.16 in	2.2 in
T40R-0	T40R0M4	--	Black	8.3 x 0.16 in	2.2 in
50 LB MIN. TENSILE STRENGTH					
T50I	T50I9M4	MS3367-5-9	Natural	12 x 0.18 in	3.2 in
T50I-0	T50I0M4	--	Black	12 x 0.18 in	3.2 in
T50L	T50L9M4	MS3367-2-9	Natural	15.35 x 0.19 in	4.3 in
T50L-0	T50L0M4	--	Black	15.35 x 0.19 in	4.3 in
T50R	T50R9M4	MS3367-1-9	Natural	8 x 0.18 in	1.97 in
T50R-0	T50R0M4	--	Black	8 x 0.18 in	1.97 in
T50S-0	T50S0M4	--	Black	6 x 0.18 in	1.38 in
HEAVY DUTY CABLE TIES 120 LB, MIN. TENSILE STRENGTH					
T120R	T120R9K2	MS3367-3-9	Natural	15.2 x 0.30 in	4.1 in
T120R-0	T120R0K2	MS3367-1-10	Black	15.2 x 0.30 in	4.1 in
T150M0X2	T150M0X2	--	Black	21 x 0.35 in	5.9 in

Standard cable ties sold in quantities of 1,000 / Heavy Duty cable ties sold in quantities of 50

MOUNTABLE CABLE TIES

HELLERMANNTYTON CORP

The T-series mounting cable ties have a built- in mounting hole that, once fastened around the cables, can be secured to the panel with a screw or bolt.

T18MR

- Serrated interior provides better grip on the cables

EDMO#	MFR#	DIMENSIONS	MAX. WIRE BUNDLE DIA.	COLOR
18 LB MIN. TENSILE STRENGTH				
T18MR	T18MR9C2	4.33 x 0.10 in	0.124 in	Natural
50 LB MIN. TENSILE STRENGTH				
T50MR	T50MR9M4	8.46 x 0.18 in	1 in	Natural
T50MR0C2	T50MR0C2	8.5 x 0.18 in	1 in	Black
PUSH BUTTON MOUNT				
TM1SF10C2	TM1SF10C2	0.62 x 0.4 in	0.13 panel / 0.25 in mounting hole	Natural

IDENTIFICATION CABLE TIES

HELLERMANNTYTON CORP

Polyamide 6.6 cable ties keep cables tidy and easy to identify. The ties have a large flat tab that is ideal for imprinting or writing necessary information. The tie closes with a plastic pawl.

IT50R

IT18R

- Plastic pawl tie closure
- Sold in quantities of 200
- Natural color

EDMO#	MFR#	SIZE	DIMENSIONS	MAX. WIRE BUNDLE DIA.
18 LB MIN. TENSILE STRENGTH				
IT18R	IT18R9L4	4 in	3.94 x 0.98 x 0.32 in	0.75 in
50 LB MIN. TENSILE STRENGTH				
IT50L9C2	IT50L9C2	15.5 in	15.4 x 2.2 x 0.5 in	3.9 in
IT50R	IT50R9M4	8 in	8 x 1.1 x 0.51 in	1.8 in

CABLE TIE TOOLS

ADJUSTABLE TENSION SAFE-T-CABLE® APPLICATION TOOL KIT

DANIELS MANUFACTURING CORP

The Safe-T-Cable® Tool Kit is a comprehensive set designed for .022", .032", and/or .040" Safe-T-Cable applications, ideal for aerospace and other demanding industries. This travel-ready kit includes tools, verification equipment, accessories, cable/ferrules, and instructions, all in a durable, impact-resistant metal case. The kit minimizes Foreign Object Damage (FOD) concerns with shadowing for tool control and meets SAE performance standards.



DMC1007-28R

EDMO#	MFR#	DESCRIPTION
DMC1000-4R	DMC1000-4R	For 0.032-inch cables
DMC100020R	DMC1000-20R	For 0.022-inch and 0.032-inch cables
DMC100728R	DMC1007-28	For 0.022-inch, 0.032-inch, and 0.040-inch cables
ACCESSORIES		
SCTN32-3L	SCTN32-3L	3-inch Low-Profile Nose for .032-inch Safe-T-Cable Application Tool

ROTARY SAFE-T-CABLE TOOL

DANIELS MANUFACTURING CORP



The SCTR323 Safe-T-Cable® tool is pre-set tension hand tool where the tension adjustments are not desired. This is ideal in facilities where skill level is minimal or applications where single-handed operation is desirable. Single-handed operation is made possible with a tension mechanism that activates once the cable is threaded into the tool. When the tool senses the correct pre-set tension, it shifts into the crimp-cut mode to complete the installation on the next actuation.

EDMO#	MFR#	CABLE DIAMETER	NOSE LENGTH
SCTR323	SCTR323	0.032	3 in
SCTR327	SCTR327	0.032	7 in
ACCESSORIES			
SCTN32-3L	SCTN32-3L	3-inch replacement low-profile nose assembly (0.032 cable diameter)	
SCTN32-7	SCTN32-7	7-inch replacement nose assembly (0.032 cable diameter)	
SCT-TB1	SCT-TB1	Safe-T-Cable torque verification block	
F10-04	F10-04PKG	0.032 elongated ferrule / package of 50	
F10-1PKG	F10-1PKG	0.022 ferrule / package of 50	
F10-2PKG	F10-2PKG	0.032 ferrule / package of 50	

GTH-E CABLE TIE TOOL

EDMO# GTH-E
MFR# GTH-E



The GTH-E Cable Tie Tool installs standard, heavy-standard, light-heavy, and heavy cross-section cable ties. It features adjustable tension and ergonomic design. Low handle force is required to cut off the cable tie, and an improved cable tie cut-off mechanism minimizes impact to the installer's hand.

- Installs standard (50 lb) through heavy (175 lb) cross section cable ties
- Minimizes impact to installer's hand by over 40% — the lowest in the industry
- 15% Lower handle force than comparable tools
- Ergonomically designed grip with soft slip proof handle and rear grip
- Beveled tie entry allows quick side entry of tie into tool to speed installation
- Tension adjustment knob with 1/2-stop, tension-setting increments

WITH OVER 50 YEARS OF EXPERIENCE, EDMO KNOWS QUALITY.

Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

GS2B-E CABLE TIE TOOL

EDMO# GS2B-E
MFR# GS2B-E



The GS2B-E Ergonomic Cable Tie Hand Tool is easy to operate and has tool-controlled tension that provides a flush cut-off and speeds up installation to lower installed cost. Promotes worker safety, reduces downtime, and increases productivity.

- For sub-miniature, miniature, intermediate, & standard cross section cable ties
- Black trigger handle and selector knob with light gray metal housing
- Weight: 13.55 oz

CABLE TIE TOOL

EDMO# 734587-1
MFR# 734587-1



This Cable Tie Tool features an incremental tension adjustment indicator, a tension adjustment dial, and an automatic cutoff blade. The tension adjustment dial regulates the amount of tension applied to the cable tie before the tie is cut. The adjustment is made by turning the tension adjustment dial until the adjustment indicator displays the desired setting.

- For 2.2–4.8 mm cable ties
- Tie thickness up to 1.6 mm
- Automatic cut-off
- Adjustable tension setting

EVO 7 CABLE TIE GUN

HELLERMANNTYTON CORP
EDMO# EVO7
MFR# 110-70083



The EVO 7 Cable Tie cutter uses tension/lock/cut (TLC) technology to provide precise cable tie cutting without creating the protruded cut edges caused by conventional cable tie cutters that stretch the tie as they cut. The EVO 7 provides adjustable tensioning with a locking mechanism to keep the tension setting in place — ensuring a flush cut, each and every time. This advanced cutting technology is paired with a user-tested ergonomic design with soft-grip, non-slip, air cushioning on the handle and trigger for the utmost in user comfort.

TWIST CUT CABLE TIE GUN

HELLERMANNTYTON CORP
EDMO# TWT-1
MFR# TWT-1



The Twist Cut Cable Tie Gun is an efficient and economically priced mechanical twist tool that is light and small enough to fit into a pocket.

MG-1300 CABLE TIE CUTTER

EDMO# MG-1300
MFR# MG-1300



Cable tie cutter with two safety guards that slide behind the cable tie strap for simple removal without the risk of damaging bundled cables or wires. Ergonomic, cushioned grips.

MG-1400 CABLE TIE CUTTER/WIRE STRIPPER

EDMO# MG-1400
MFR# MG-1400



The MG-1400 removes cable ties and lacing cords and strips 10 to 22-gauge wire in one tool. Safety guards slide behind the strap or lacing cord and prevent the blades from making contact with the wire. Ergonomic, cushion-grip handles are designed for comfort and allow for natural hand motion during use.

WIRE SPOON THREADER

EDMO# MDA-3792
MFR# MDA-3792,35250



Wire spoon threads wires into already tied harnesses.

- 300 Series stainless steel construction
- Made in America for superior quality

WIRE HARNESS SPOON THREADER

EDMO# WHS-1
MFR# WHS-1



The WHS-1 wire harness spoon assists installers when they need to add new or repaired wires into an existing wire harness that are bound under tight zip ties, string ties, and cushion clamps. Its plastic construction reduces damage to existing wires from nicks or cuts. Also, the WHS-1 can be used to isolate wire for safe cutting.

T-CUTTER WIRE CUTTER

EDMO# 45-123
MFR# 45-123



The T-Cutter wire cutter features hardened steel, shear-type blades to easily cut wire up to 10 AWG. This tool is constructed with tough steel material and a black oxide finish to provide corrosion resistances.

- Cuts up to 1/2" wire, up to 10 AWG solid wire

CABLE TIE MOUNTS & CABLE CLAMPS

CABLE TIE MOUNTS

HELLERMANNTYTON CORP

The CTM series of cable tie mounts provide stability to installed wire bundles. These mounts accommodate the T18 through T50 series cable ties.

- Polyamide 6.6 construction
- Each mount is secured with a single #6 screw
- 100 mounts per package



CTM-3-0



CTM-4

EDMO#	MFR#	COLOR	DIMENSIONS (IN)	MOUNTING HOLE (IN)
FOR 18/50 LB CABLE TIES				
CTM-0	CTM010C2	White	0.58 x 0.37 x 0.27	0.15
CTM-0-0	CTM00C2	Black	0.58 x 0.37 x 0.27	0.15
CTM-1	CTM110M4	White	0.58 x 0.37 x 0.27	0.19
CTM-1-0	CTM10M4	Black	0.58 x 0.37 x 0.27	0.19
CTM110C2	CTM110C2	White	0.58 x 0.37 x 0.27	0.19
FOR 18/120 LB CABLE TIES				
CTM-2	CTM210M4	White	0.86 x 0.61 x 0.37	0.18
CTM-3	CTM310M4	White	0.86 x 0.61 x 0.37	0.2
CTM-3-0	CTM30C2	Black	0.86 x 0.61 x 0.37	0.2
CTM-4	CTM410C2	White	0.86 x 0.62 x 0.37	0.25

CABLE TIE MOUNTS - 4-WAY

HELLERMANNTYTON CORP

These four-way mounting cable tie bases accommodate several different sizes of cable ties. Ties can be inserted from all four sides of the mount. Mounts can be secured to intended surfaces with two screws, adhesive backing, or both if needed.

- Adhesive backing consists of synthetic rubber with a polyethylene foam and synthetic rubber base



MB-5A-0



MB-5A

EDMO#	MFR#	COLOR	DIMENSIONS (IN)	MOUNTING HOLE (IN)
FOR 18/30 LB CABLE TIES				
MB-3A	MB3A10M4	White	0.75 x 0.75 x 0.18	0.12
MB-3A-0	MB3A0C2	Black	0.75 x 0.75 x 0.18	0.12
FOR 18/50 LB CABLE TIES				
MB-4A	MB4A10H4	White	1.12 x 1.12 x 0.22	0.18
MB-4A-0	MB4A0H4	Black	1.12 x 1.12 x 0.22	0.18
FOR 18/150 LB CABLE TIES				
MB-5A	MB5A10F4	White	1.49 x 1.49 x 0.28	0.19
MB-5A-0	MB5A0C2	Black	1.49 x 1.49 x 0.28	0.19

CLAMP 90-DEGREE

Adjustable 90° clamps for cable bundle diameters from 1/8-inch to 2- 3/16-inch. They open at a 90° angle for easy installation and accept wire bundles of varying sizes — especially when used in conjunction with plastic cable ties. Qualifies to Mil spec M23190/1.



EDMO#	MFG#	DIAMETER (IN)
NMC1005-3	NMC1005-3	1/2 - 11/16
NMC1005-4	NMC1005-4	11/16 -15/16
NMC1005-5	NMC1005-5	7/8 - 1 1/4

WEDGED CABLE CLAMPS

Cushioned loop clamps (Adel clamps) with an aluminum body and chloroprene rubber cushion (black with blue stripe) with wedge.



EDMO#	MFR#	DIAMETER (IN)
MS21919WCH — WHITE		
21919WCH2	MS21919WCH2	1/8
21919WCH3	21919WCH3	3/16
21919WCH4	MS21919WCH4	1/4
21919WCH5	MS21919WCH5	5/16
21919WCH6	21919WCH6	3/8
21919WCH7	MS21919WCH7	7/16
21919WCH8	MS21919WCH8	1/2
21919WCH9	MS21919WCH9	9/16
21919WCH10	MS21919WCH10	5/8
21919WCH11	MS21919WCH11	11/16
21919WCH12	21919WCH12	3/4
21919WCH13	21919WCH13	13/16
21919WCH14	21919WCH14	7/8
MS21919WDG — BLACK/BLUE		
21919WDG2	MS21919WDG2	1/8
21919WDG3	MS21919WDG3	3/16
21919WDG4	MS21919WDG4	1/4
21919WDG5	MS21919WDG5	5/16
21919WDG6	MS21919WDG6	3/8
21919WDG7	MS21919WDG7	7/16
21919WDG8	MS21919WDG8	1/2
21919WDG9	MS21919WDG9	9/16
21919WDG10	MS21919WDG10	5/8
21919WDG11	21919WDG11	11/16
21919WDG12	MS21919WDG12	3/4
21919WDG13	MS21919WDG13	13/16
21919WDG14	MS21919WDG14	7/8
21919WDG15	21919WDG15	15/16
21919WDG16	MS21919WDG16	1
21919WDG17	MS21919WDG17	1-1/6
21919WDG18	MS21919WDG18	1-1/8
21919WDG19	MS21919WDG19	1-3/16
21919WDG20	MS21919WDG20	1-1/4
21919WDG21	MS2191WDG21	1-5/16
21919WDG22	MS21919WDG22	1-3/8
21919WDG23	21919WDG23	1-7/16
21919WDG25	MS21919WDG25	1-9/16
21919WDG30	MS21919WDG30	1-7/8
21919WDG32	MS21919WDG32	2
21919WDG48	MS21919WDG48	3

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HEAT SHRINK TUBING

HIX HEAT-SHRINKABLE POLYOLEFIN TUBING

HIX heat shrinkable polyolefin tubing is a general-purpose heat-shrinkable tubing, HIX tubing is used for insulating, jacketing, bundling, and identification. It is both abrasion and solvent resistant and provides a longitudinal shrinkage of less than 6%.

- Application specifications: SAE-AMS-DTL-23053/5, Class 1 and 2
- UL File Number: E52612 (VW-1 except Clear)
- Operating Temperature: -67°F to 275°F (-55°C to 135°C)
- Shrink Ratio: 2 to 1
- Shrink Temperature: 250°F (121°C)
- Standard Shipping Lengths: 100-foot Spool

EDMO#	MFR#	MIN. EXPANDED/RECOVER I.D. (IN)	RECOVERED WALL THICKNESS (IN)
BLACK – 100 FT			
HIXR-3/64	HIXR-3/64	0.046/0.023	0.016
HIXR-1/16	HIR-1/16	0.063/0.031	0.017
HIXR-3/32	HIX-3/32	0.093/0.046	0.020
HIXR-1/8	HIX-1/8	0.125/0.063	0.020
HIXR-3/16	HIX-3/16	0.188/0.093	0.020
HIXR-1/4	HIX-1/4	0.250/0.125	0.025
HIXR-3/8	HIX-3/8	0.375/0.188	0.025
HIXR-1/2	HIX-1/2	0.500/0.250	0.025
HIXR-3/4	HIX-3/4	0.750/0.375	0.030
HIXR-1	HIX-1	1.000/0.500	0.035
HIXR-2	HIXR-2	2.000/1.000	0.045
HIXR-3	HIX-3	3.000/1.500	0.050
HIXR-4	HIX-4	4.000/101.60	0.055
WHITE – 100 FT			
HIXR-1/16W	HIX-1/16	0.063/0.031	0.017
HIXR-3/32W	HIX-3/32	0.093/0.046	0.020
HIXR-1/8W	HIXR-1/8	0.125/0.063	0.020
HIXR-3/16W	HIX-3/16	0.188/0.093	0.020
HIXR-1/4W	HIX-1/4	0.250/0.125	0.025
HIXR-3/8W	HIXR-3/8	0.375/0.188	0.025
HIXR-1/2W	HIXR-1/2	0.500/0.250	0.025
HIXR-3/4W	HIX-3/4	0.750/0.375	0.030
HIXR-1WH	HIXR-1	1.000/0.500	0.035
HIXR-2WH	HIX-2	2.000/1.000	0.045
HIXR-3WH	HIX-3	3.000/1.500	0.050
CLEAR – 100 FT			
HIXR-3/64C	HIX-3/64 CLEAR SPOOLED	0.046 in/1.17 mm	0.016 in
HIXR-1/16C	HIX-1/16	0.063/0.031	0.017
HIXR-3/32C	HIX-3/32	0.093/0.046	0.020
HIXR-1/8C	HIX-1/8	0.125/0.063	0.020
HIXR-3/16C	HIX-3/16	0.188/0.093	0.020
HIXR-1/4C	HIXR-1/4	0.250/0.125	0.025
HIXR-3/8C	HIX-3/8	0.375/0.188	0.025
HIXR-1/2C	HIX-1/2	0.500/0.250	0.025
HIXR-3/4C	HIX-3/4	0.750/0.375	0.030
HIXR-1C	HIX-1	1.000/0.500	0.035
YELLOW – 100 FT			
HIXR-3/8YE	HIXR-3/8YE	0.375 in/9.53 mm	0.025 in









EDMO#	MFR#	MIN. EXPANDED/RECOVER I.D. (IN)	RECOVERED WALL THICKNESS (IN)
RED — 100 FT			
HIXR-1/8RE	HIXR-1/8	0.125/0063	0.020
HIXR-1/4RE	HIX-1/4	0.250/0.125	0.025
HIXR-1/2RE	HIXR-1/2	0.500/0.250	0.025
BLUE — 100 FT			
HIXR-3/8B	HIX-3/8	0.375/0.188	0.025
HIXR-1/2BL	HIXR-1/2BL	12.70 in/0.500 mm	0.025 in
GREEN — 100 FT			
HIXR-3/8G	HIX-3/8	0.375/0.188	0.025







EDMO#	MFR#	MIN. EXPANDED/RECOVER I.D. (IN)	RECOVERED WALL THICKNESS (IN)
BLACK – PRICED PER FT / SOLD IN 4FT STICK			
HIX-1/16	HIX-1/16 BLACK	0.063/0.031	0.017
HIX-3/32	HIX-3/32 BLACK	0.093/0.046	0.020
HIX-1/8	HIX-1/8 BLACK	0.125/0.063	0.020
HIX-3/16	HIX-3/16 BLACK	0.188/0.093	0.020
HIX-1/4	HIX-1/4 BLACK	0.250/0.125	0.025
HIX-3/8	HIX-3/8 BLACK	0.375/0.188	0.025
HIX-1/2	HIX-1/2 BLACK	0.500/0.250	0.025
HIX-3/4	HIX-3/4 BLACK	0.750/0.375	0.030
HIX-1	HIX-1	1.000/0.500	0.035
HIX-2	HIX-2	2.000/1.000	0.045
HIX-3	HIX-3" BLACK STICKS	3.000/1.500	0.050
HIX-4	m23053/5-105-0	4.000 in/101.60 mm	0.055 in
WHITE – PRICED PER FT / SOLD IN 4FT STICK			
HIX-3/64WH	HIX-3/64 WHITE	0.046/0.023	0.016
HIX-1/16WH	HIX-1/16 WHITE	0.063/0.031	0.017
HIX-3/32WH	HIX-3/32 WHITE	0.093/0.046	0.020
HIX-1/8WH	HIX-1/8WHITE	0.125/0.063	0.020
HIX-3/16WH	HIX-3/16 WHITE	0.188/0.093	0.020
HIX-1/4WH	HIX-1/4 WHITE	0.250/0.125	0.025
HIX-3/8WH	HIX-3/8 WHITE	0.375/0.188	0.025
HIX-1/2WH	HIX-1/2WHITE	0.500/0.250	0.025
HIX-3/4WH	HIX-3/4WH	0.750/0.375	0.030
HIX-1WH	HIX-1WH	1.000/0.500	0.035
HIX-2WH	HIX-2" WHITE	1.500 in/38.10 mm	0.040 in



EDMO#	MFR#	MIN. EXPANDED/RECOVER I.D. (IN)	RECOVERED WALL THICKNESS (IN)
CLEAR – PRICED PER FT/ SOLD IN 4FT STICK			
HIX-3/64CL	HIX-3/64	0.046/0.023	0.016
HIX-1/16CL	HIX-1/16CL	0.063/0.031	0.017
HIX-3/32CL	HIX-3/32CL	0.093/0.046	0.020
HIX-1/8CL	HIX-1/8CLEAR	0.125/0.063	0.020
HIX-3/16CL	HIX-3/16CL	0.188/0.093	0.020
HIX-1/4CL	HIX-1/4 CLEAR	0.250/0.125	0.025
HIX-3/8CL	HIX-3/8 CLEAR	0.375/0.188	0.025
HIX-1/2CL	HIX-1/2CLEAR	0.500/0.250	0.025
HIX-3/4CL	HIX-3/4 CL	0.750/0.375	0.030
HIX-1CL	HIX-1CLEAR	1.000/0.500	0.035
HIX-1 1/2C	HIX-1 1/2 CLEAR	1.500 in/38.10 mm	0.040 in
RED – PRICED PER FT/ SOLD IN 4FT STICK			
HIX-3/64RE	HIX-3/64RED	0.046/0.023	0.016
HIX-1/16RE	HIX-1/16RE	0.063/0.031	0.017
HIX-3/32RE	HIX-3/32RE	0.093/0.046	0.020
HIX-1/8RE	HIX-1/8RE	0.125/0.063	0.020
HIX-3/64RE	HIX-3/64RED	0.046 in/1.17 mm	0.016
HIX-1/4RE	HIX-1/4RE	0.250/0.125	0.025
HIX-3/8RE	HIX-3/8 RED	0.375/0.188	0.025
HIX-1/2RE	HIX-1/2RE	0.500/0.250	0.025
HIX-3/4RE	HIX-3/4RE	0.750/0.375	0.030
HIX-1RE	HIX-1" RED	1.000/0.500	0.035
YELLOW – PRICED PER FT/ SOLD IN 4FT STICK			
HIX-3/64YE	HIX-3/64YE	0.046/0.023	0.016
HIX-1/16YE	HIX-1/16YE	0.063/0.031	0.017
HIX-3/32YE	HIX-3/32 YELLOW STICKS	0.093/0.046	0.020
HIX-1/8YE	HIX-1/8YE	0.125/0.063	0.020
HIX-3/16YE	HIX-3/16YE	0.188/0.093	0.020
HIX-1/4YE	HIX-1/4YE	0.250/0.125	0.025
HIX-3/8YE	HIX-3/8YE	0.375/0.188	0.025
HIX-1/2YE	HIX-1/2 YELLOW	0.500/0.250	0.025
HIX-3/4YE	HIX-3/4YE	0.750/0.375	0.030
HIX-1YE	HIX-1YE	1.000/0.500	0.035
GREEN – PRICED PER FT/ SOLD IN 4FT STICK			
HIX-1/16GR	HIX-1/16GR	0.063/0.031	0.017
HIX-3/16GR	HIX-3/16GR	0.188/0.093	0.020
HIX-1/2GR	M23053/5-108-5	0.500/0.250	0.025
HIX-3/4GR	M23053/5-109-5	0.750/0.375	0.030
BLUE – PRICED PER FT/ SOLD IN 4FT STICK			
HIX-1/16BL	HIX-1/16BL	0.063/0.031	0.017
HIX-3/32BL	IC6240577	0.093/0.046	0.020
HIX-1/8BL	HIX-1/8BL	0.125/0.063	0.020
HIX-3/16BL	HIX-3/16BL	0.188/0.093	0.020
HIX-1/4BL	HIX-1/4BL	0.250/0.125	0.025
HIX-3/8BL	HIX-3/8	0.375/0.188	0.025
HIX-1/2BL	M23053/5-108-6	0.500/0.250	0.025
HIX-3/4BL	HIX-3/4BL	0.750/0.375	0.030









HIX HEAT SHRINK TUBING ASSORTED SIZES

EDMO# HIX-HA1
MFR# HIX-HA1



ProFIT® HIX general purpose polyolefin heat-shrinkable tubing is used for insulating, jacketing, bundling, and identifying wire and cables. HIX tubing is mechanically tough and resistant to abrasion and solvents while providing a longitudinal shrinkage less than 6%.

This HIX heat shrink tubing is packaged in assorted sizes from 3/64 – 3/16 inches diameter.

HIX3X HEAT-SHRINKABLE POLYOLEFIN TUBING



ProFIT HIX3X thin-walled, heat shrinkable tubing is constructed for general purpose stain-relief and identification for wire terminals and electrical connections. HIX3X features a flame retardant, cross-linked material that may also provide for a light-duty jacketing material on a harness.

- Shrink ratio: 3:1
- Shrink temperature: 248°C
- Operating temperature range: -55°C to 135°C

EDMO#	MFG#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
YELLOW — 100 FT SPOOL			
HIX3X-1YE	HIX3X-24/8 YELLOW	0.945/ 0.315	0.093

H4X HEAT-SHRINKABLE POLYOLEFIN TUBING

ProFIT H4X heat shrink tubing is an over-expanded, general purpose, cross-linked, polyolefin tubing with a thin wall that has a four-times expansion ratio. It is developed for a wide range of applications where larger expansions are required. H4X tubing is perfect for repairing harness — eliminating the need to remove connections or large transitions. Also, H4X is flame retardant and compatible with most adhesives to provide a complete environmental seal.



- Meets SAE-AMS-DTL-23053/5, Class 1 Over-expanded specifications
- Shrink ratio: 4:1
- Shrink temperature of 250°

EDMO#	MFG#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
H4X-4	H4X-#4	4.000/1.050	0.045
H4XR-1 1/2	H4X-1 1/2", H4X-#10	4.500/1.450	0.045

HAT HEAT-SHRINKABLE POLYOLEFIN TUBING

HAT is a thin-wall, heat shrinkable polyolefin with a thermoplastic adhesive coating at the interior that adheres to a wide variety of plastic, rubber, and metal surfaces. When heated, it shrinks to 50% of its supplied diameter to conform to the object that it covers. Once cooled, it returns to its original state and forms a moisture-resistant bond between the tubing and substrate.



- Applicable specifications: SAE-AMS-DTL-23053/4, class 2
- UL file number: E52612 (excludes clear)
- Operating temperature range: -67°F to 230°F (-55°C to 230°C)
- Shrink ratio: 2:1
- Shrink temperature: 250°F (121°C)
- Standard colors: black

EDMO#	MFG#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
HAT-1/4	HAT-1/4	0.250/0.125	0.030
HAT-1/8	HAT-1/8	0.125/0.063	0.021
HAT-3/8	HAT-3/8	0.375/0.188	0.031
HAT-1	HAT-1	1 in	0.038
HAT-3	HAT-3	3.000/1.500	0.050

HTAT 4:1 HEAT-SHRINKABLE POLYOLEFIN TUBING

HTAT is a dual-walled, heat shrinkable polyolefin with a adhesive coating at the interior that adheres to a wide variety of plastic, rubber, and metal surfaces. Once cooled, it returns to its original state and forms a moisture-resistant bond between the tubing and substrate.



- Operating temperature range: -55°C to 125°C
- Shrink ratio: 4:1
- Minimum shrink temperature: 80°C
- Standard colors: black

EDMO#	MFG#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
HTAT4813-0	HTAT-48/13-0-STK	48 mm / 1.89 in	13 mm / 0 .512 in

HLT HEAT-SHRINKABLE POLYOLEFIN TUBING

HLT tubing is heat-shrinkable, very flexible thin-wall tubing made from flame-retardant polyolefin. It has a low-shrink temperature and is ideal for insulation, identification, strain relief, wire bundling, and color-coding.



HLT-3/8

- UL/CUL file number: E52612 (VW-1)
- Operating temperature range: -67°F (-55°C) to 275°F (135°C)
- Shrink ratio: 2:1
- Shrink temperature: 176°F (80°C)
- Standard colors: black or gray
- Recommended heat gun: 500°F (260°C)
- SAE-AMS-DTL-23053/5, class 1 and 3

EDMO#	MFG#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
HLT-1/8	HLT-1/8	0.125 in/3.18 mm	0.020
HLT-1/8B	HLT-1/8 BLACK	0.125/0.063	0.020
HLT-1/8G	HLT-1/8	0.125/0.063	0.020
HLT-3/8	M23053/5-307-8	0375/0.188	0.025
HLT-3/8B	HLT-3/8B	0.375 in/9.53 mm	0.025
HLT-1/4	HLT-1/4	0.125 in/3.18	0.025

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HW3X HEAT-SHRINKABLE POLYOLEFIN TUBING



The HW3X series consists of heat-shrinkable polyolefin tubing that provides greater protection under rough environmental conditions with heavy-wall, semi-rigid material that has excellent insulating, abrasion-resisting, and strain-relief properties. This product is supplied with sealant that provides waterproofing and protection in underwater or underground conditions. Seals may be made over lead, steel, aluminum, copper, and all standard plastic and elastomeric insulating materials.

- Operating temperature range: -67°F to 194°F (-55°C to 90°C)
- Recommended heat gun: 500°F (260°C)
- Shrink ratio: 3:1
- Shrink temperature: 250°F (121°C)
- Standard colors: black
- 48-inch lengths
- SAE-AMS-DTL23053/15, Class 1

EDMO#	MFG#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
HW3X04S48B	HW3X-04-S-48-BLK	0.400/0.150	0.060
HW3X07S48B	HW3X07S48B	0.750/0.220	0.095
HW3X11S48B	11-S-48 BLACK	1.100/0.375	0.120

HML HEAT-SHRINKABLE POLYOLEFIN TUBING



ProFIT® HML is radiation cross-linked heat shrink tubing that is environmentally sealed with an adhesive lining ideal for use in a wide variety electrical applications. When heated, the adhesive coating melts and flows to form a positive seal. This coating adheres to the outer tubing and the surface below to create an effective moisture barrier. HML tubing remains flexible to withstand repeated bending of the substrate below.

- Ideal for cable repair
- Adhesive bond to a variety of plastics, rubber, and metal
- Applicable specifications: SAE-AMS-DTL-23053/4, Class 3
- Shrink Ratio: HML: 3:1 and HML4X: 4:1
- Shrink Temperature: 230°F (110°C)
- Standard Colors: black
- Standard Shipping Length: 4-foot lengths

EDMO#	MFG#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
3:1 — BLACK — SOLD IN 4 FT STICKS			
HML-1/4	HML-1/4 BLACK	0.236/0.078	0.039
HML-1/2	HML-1/2 BLACK	0.472/0.157	0.070
HML-3/4B	HML-3/4 BLACK	0.748/0.236	0.088
HML-1B	HML-1 BLACK	0.945/0.315	0.100
HML-1 1/2B	HML-1 1/2 BLACK	1.575/0.512	0.100
4:1 — BLACK — SOLD IN 4 FT STICKS			
HML4X-24/6	HML4X-24/6	0.945/0.236	0.088
HML4X-32/8	HML4X-32/8 BLACK	1.260/0.315	0.100
HML4X52/13	HML4X-52/13 BLACK	2.047/0.512	0.100

DR25 HEAT SHRINK TUBING

TTI CONNECT INC



DR25 heat shrink tubing provides flexibility and abrasion resistance from its radiation, cross-linked elastomeric construction. DR25 heat shrink optimized for use in high temperature environments and has excellent fluid resistance. This tubing is also suitable to be used as a jacketing material for military vehicle cables and harnesses.

- Flame retardant
- System-25 tubing
- Shrink ratio 2:1
- Operating temperature range: -75°C to 150°C

EDMO#	MFR#	MIN. EXPANDED/ RECOVERED ID (MM)	RECOVER WALL THICKNESS (MM)
5039324007	5039324007	3.2 / 1.6	0.76
DR25-1/4-0	DR-25-1/4-0-SP	6.4 / 3.2	0.89
DR25-3/8-0	DR-25-3/8-0-SP	9.5 / 4.8	1.02
DR25-1/2-0	DR-25-1/2-0-SP	12.7 / 6.4	1.22
DR25-3/4-0	DR-25-3/4-0-SP	19.0 / 9.5	1.45
DR25-1-0	DR-25-1-0-SP	25.4 / 12.7	1.78

DWP-125 HEAT SHRINK TUBING

EDMO# DWP125-3/4
MFR# 5076682002



DWP-125 is a medium walled, adhesive-lined, polyolefin tubing that retains flexible even with a shrink ratio of 3:1. This heat shrink tubing environmental seals and protects a wide variety of electrical applications including wire splices, breakouts, and connect-to-cable transitions. Suitable for applications where UL recognized/ CSA certified adhesive-lined tubing is required.

- 3:1 shrink ratio allows for insulation and sealing irregular shapes
- Medium wall provides increased mechanical protection
- Adhesive lining bonds to wide variety of plastics, rubber, and metals – including polyethylene, neoprene, and steel
- RoHS compliant
- Minimum expanded/ recovered ID: 0.750 /0.230 in
- Recover wall thickness: 0.030 in

ATUM ADHESIVE-LINED POLYOLEFIN TUBING

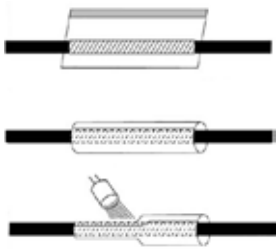


ATUM adhesive-lined polyolefin tubing has a high-shrink-ratio to environmentally seal and protect electrical connections and components. This heat shrink tubing is useful for applications: backend connector sealing, breakouts, and connector-to-cable transitions. The high expansion ration is perfect for repairing most damaged cable jackets without removing the connectors.

- Available in 3:1 and 4:1 shrink ratios for connecter-to-cable sealing
- Environmentally seals and protects components and interconnects
- Medium wall provides increased mechanical protection
- Adhesive bonds to wide variety of plastics, rubber, and metals; including polyethylene, aluminum, steel, and copper
- RoHS compliant
- Comes in 4-foot lengths and colored black

EDMO#	MFR#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
ATUM-12/4-	ATUM-12/4-0-MS-STK	12 mm	1.78 mm
ATUM-24/8-	ATUM-24/8-0-STK	24 mm	2.54 mm

HSRT HEAT SHRINKABLE REPAIR TUBING



ProFIT® HSRT heat shrink repair tubing is an all-purpose shrink tubing that is used for repairing wire and cable bundles. Repairs are made simple due to its side-entry design which allows the repair to be made without removing the connector. HSRT has excellent abrasion, environmental, and electrical properties, as well as resistance to oils, mild acids, and alkalies.

- Excellent abrasion, environmental, and electrical properties
  Resistant to oils, mild acids, and alkalies
- Operating Temperature Range: -67°F (-55°C) to 275°F (135°C)
- Shrink Ratio: Varies by Size
- Shrink Temperature: 176°F (80°C)
  Recommended Heat Gun: 500°F (260°C)
- Standard Colors: Black

EDMO#	MFR#	CABLE DIA. RANGE
HSRT-1	HSRT-1	0.125 - 0.187 in (3.18 – 4.75 mm)
HSRT-3	HSRT-3	0.250 - 0.370 in (0.250 – 0.370 mm)
HSRT-13	HSRT-13	1.500 - 1.620 in (38.10 – 41.15 mm)

RNF-100 HEAT SHRINK TUBING



RNF-100 offers excellent physical, chemical, and electrical properties that meet or exceed commercial, industrial and military standards for highly reliable, general purpose tubing. RNF-100 tubing provides electrical insulation and strain relief of in-line components, electrical connections, wire terminations, and splices. It can also be used to bundle wires for flexible light duty harnesses.

- 2:1 shrink ratio
- Colored black
- 600V rating
- 125°C temperature rating

EDMO#	MFR#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
F75818-000	F75818-000	0.25 / 0.125	0.025

WT31 SERIES HEAT SHRINK TUBE

EDMO# WT31-1942
MFG# 98-WT31-1942



Continuous 100-foot reels of shrink tubing that meets the MIL-I-23053/5 class 5 and 3, MIL-I R 46846 type V and UL-224VW-I rating. This ultra-thin wall, cadmium-free polyolefin tubing has a low recovery temperature of 194°F and a shrink ratio of 3:1 and is resistant to flames, high temperatures, chemicals, water, and abrasion.

- Flexible polyolefin heat shrink tubing
- Shrink ratio 3:1
- Ideal for wire marking and electrical insulation
- -67°F to 275°F operating temperature
- Flame, chemical, water resistant
- Meets MIL-DTL-23053/5C Class 1 and 3, UL-224 VW-1 requirements

FABRIC HEAT SHRINK TUBING



Heat shrinkable fabric (HSF) tubing is woven from black strands of polyester and polyolefin. It is ideal for applications including noise suppression and abrasion resistance for components such as rubber hoses, harnesses, and plastic pipe as it is very flexible and easy to install over awkward materials like bent hoses or pre-formed pipes. HSF is also Halogen free.

- Operating temperature range: -40°F (-40°C) to 257°F (125°C)
- Shrink ratio: 2:1 and 3:1
- Shrink temperature: 275°F (135°C)
- Recommended heat gun: 500°F (260°C)
- 0 .040 in recovered wall thickness
- Standard colors: black
- Standard shipping length: spools
- Sold in 50-foot spools

EDMO#	MFR#	MIN. EXPANDED/ RECOVERED WALL ID (IN)	RECOVERED WALL THICKNESS (IN)
HSF-12/6	HSF-12/6 BLACK SPLD	0.472/0.236	0.040
HSF-20/10	HSF-20/10 BLACK SPLD	0.787/0.394	0.040
HSF-30/15	HSF-30/15	1.181/0.591	0.040
HSF-40/20	HSF-40/20	1.575/0.787	0.040
HSF-50/25	HSF-50/25	1.969/0.984	0.040
HSF-60/30	HSF-60/30 BLACK SPLD	2.362/1.378	0.040
HSF3X-18/6	HSF3X-18/6	0.709/0.236	0.040

HEAT SHRINK BOOT

EDMO# 207W256-42
MFG# 207W256-3-01/42-0



Continuous 100-foot reels of shrink tubing that Expertise in cross-linked polymer chemistry allows for unique formulations that go beyond off-the-shelf polymers to provide exceptional performance in heat-shrinkable tubing, molded parts, and wire insulation and jackets. Cross-linking and specialized chemical formulations combine to provide demanding markets with reliable high-temperature and fluid-resistant products. Heat-shrinkable molded parts meet a wide range of harsh environmental conditions. Mechanically robust molded parts are easy to install and available in a variety of sizes and shapes.

- Straight, non lipped, feed-through body
- Heat-shrinkable
- Semi-Rigid
- Flame Retardant
- Good resistance to fluids and heat

SPIRAL WRAP

SPIRAL WRAP TUBING

Spiral wrap tubing provides solid grip with its torsional cut and rigid profile. It retains strength under repeated flexing and bending and follows wire paths easily, resulting in tidy, free-running cable bundles. Spiral wrap is also easy to remove and re-apply when troubleshooting is necessary. Available in polyethylene and PTFE.



black



natural

PTFE

Primarily for high temperature applications, it has a low operating temperature and is not affected by organic solvents or acids.

Sold in 25-foot lengths, priced per 100 ft

EDMO#	MFR#	NOMINAL OD / WALL THICKNESS (IN)	NOMINAL PITCH (IN)	MAX. BUNDLE SIZE (IN)
NATURAL / SOLD IN 25FT				
SWT-1/8	SWT-1/8 NATURAL	0.125/0.030	0.250	0.5
SWT-1/8XXT	SWT-1/8XXT	0.125/0.016	0.250	0.5
SWT-3/16	SWT-3/16 NATURAL	0.188/0.030	0.250	1.0
SWT-1/4	SWT-1/4 NATURAL	0.250/0.030	0.375	2.0
SWT-1/4XXT	SWT-1/4XXT	0.250/0.015	0.375	2.0
SWT-3/8	SWT-3/8 NATURAL	0.375/0.030	0.438	2.5
SWT-5/16	SWT-5/16 XT NATURAL	0.3125/--	--	--
SWT-1/2	SWT-1/2 NATURAL	0.500/0.030	0.563	3.0
SWT-3/4	SWT-3/4	0.750/0.040	0.875	4.0
SWT-1	3673700	1.000/0.040	1.000	6.0
BLACK / SOLD IN 25FT				
SWT-1/8B	SWT-1/8 BLACK	0.125/0.030	0.250	0.5
SWT-3/16B	SWT-3/16 BLACK	0.188/0.030	0.250	1.0
SWT-1/4BK	SWT-1/4	0.250/0.030	0.375	2.0
SWT-3/8B	SWT-3/8B	0.375/0.030	0.438	2.5
SWT-5/16B	SWT-5/16 BLACK	0.3125/--	--	--
SWT-1/2B	SWT-1/2B	0.500/0.030	0.563	3.0
SWT-3/4B	SWT-3/4B	0.750/0.040	0.875	4.0
SWT-1BK	SWT-1BK	1.000/0.040	1.000	6.0

POLYETHYLENE

A versatile, low-cost material. Black polyethylene is also low-cost but also contains ultra-violet inhibitors, designed for outdoor use.

EDMO#	MFR#	NOMINAL OD / WALL THICKNESS (IN)	NOMINAL PITCH (IN)	MAX. BUNDLE SIZE (IN)
NATURAL / SOLD IN 100FT				
SWP-1/8	SWP-1/8 NATURAL	0.125/0.031	0.250	0.5
SWP-3/16	SWP-3/16 NATURAL	0.188/0.031	0.250	1.5
SWP-1/4	SWP-1/4 NATURAL	0.250/0.058	0.313	2.0
SWP-3/8	SWP-3/8 NATURAL	0.375/0.058	0.438	3.0
SWP-1/2	SWP-1/2 NATURAL	0.500/0.058	0.563	4.0
SWP-5/8	SWP-5/8 NATURAL	0.650/0.062	0.875	5.0
SWP-3/4	SWP-3/4	0.750/0.065	0.875	6.0
SWP-1	SWP-1" NATURAL	1.000/0.100	0.875	8.0
BLACK / SOLD IN 100FT				
SWP-1/8BK	SWP-1/8BK	0.125/0.031	0.250	0.5
SWP-3/16BK	SWP-3/16 BLACK	0.188/0.031	0.250	1.5
SWP-1/4BK	SWP-1/4 BLACK	0.250/0.058	0.313	2.0
SWP-3/8BK	SWP-3/8 BK	0.375/0.058	0.438	3.0
SWP-1/2BK	SWP-1/2 BK	0.500/0.058	0.563	4.0
SWP-3/4BK	SWP-3/4BK	0.750/0.065	0.875	6.0
SWP-1BK	SWP-1BK	1.000/0.100	0.875	8.0

NYLON

EDMO#	MFR#	NOMINAL OD / WALL THICKNESS (IN)	NOMINAL PITCH (IN)	MAX. BUNDLE SIZE (IN)
NATURAL / SOLD IN 100FT				
SWN-1/8	SWN-1/8	0.125/0.016	0.250	0.5
SWN-3/16	SWN-3/16	0.188/0.031	0.250	1.5
SWN-1/4	SWN-1/4	0.250/0.030	0.313	2.0
SWN-3/8	SWN-3/8	0.375/ 0.030	0.438	3.0
SWN-1/2	SWN-1/2	0.500/ 0.030	0.563	4.0
SWN-3/4	SWN-3/4	0.750/0.040	0.875	6.0
SWN-1	SWN-1	1.000/25.40	1.000	8.0
BLACK / SOLD IN 100FT				
SWN-1/4BK	SWN-1/4	0.250/0.030	0.313	2.0
SWN-1/2BK	SWN-1/2 BLACK	1.000/25.40	1.000	8.0

EXPANDABLE SLEEVING & TUBING

ICO-FLEX EXPANDABLE SLEEVING

ICO-FLEX™ Expandable Sleeving encapsulates and protects cable bundles and wire assemblies. The XPF series of mono-filament sleeving is lightweight, flame retardant, and self-fitting — adjusting to irregular surfaces and contours to provide abrasion resistance and protection with minimal bulk and weight. Available in two versions: flame retardant (XPF) or non-flame retardant polyester mono-filament (XPNF).

- Operating temperature: -94°F to 250°F (-70°C to 125°C)
- Colors: black, white, orange
- Flammability: VW-1
- Sold in 100-foot length

EDMO#	MFR#	NOMINAL I.D. (IN)	BUNDLED SIZED RANGE (IN)	
BLACK				
XPF-1/8	XPF-1/8	0.125	0.094 – 0.125	
XPF-1/4	XPF-1/4 BLACK	0.250	0.125 – 0.375	
XPF-1/4-3	XPF-1/4- 300' spool	0.250 (300 ft spool)	0.125 – 0.375	
XPF-3/8	XPF-3/8 BLACK	0.375	0.250 – 0.625	
XPF-1/2	XPF-1/2 BLACK	0.500	0.250 – 0.750	
XPF-3/4	XPF-3/4 BLACK	0.750	0.500 – 1.250	
XPF-1	XPF-1	1.000	0.625 – 1.375	
XPF-1 1/4	XPF-1 1/4 BLACK	1.250	0.750 –1.500	
XPF-1 3/4	XPF-1 3/4 BLACK	1.750	1.250 – 2.500	
XPF-2	XPF-2	2.000	1.500 – 3.000	
XPF-2 1/2	XPF-2 1/2	2.500	1.750 – 3.500	
WHITE				
XPFW-1/8	XPFW-1/8			
XPFW-1/4	6169120	0.250	0.125 – 0.375	
XPFW-3/8	XPF-3/8 WHITE	0.375	0.250 – 0.625	
XPFW-1/2	XPF-1/2 WHITE	0.500	0.250 – 0.750	
XPFW-3/4	XPF-3/4 WHITE	0.750	0.500 – 1.250	
XPFW-1 1/4	XPFW-1 1/4	1.250	0.750 –1.500	
XPFW-1 3/4	XPFW-1 3/4 WHITE	1.750	1.250 – 2.500	
NON-FLAME RETARDANT				
XPNF-1/4	XPNF-1/4	0.250	0.125 – 0.375	







AERO BRAIDED SLEEVING MINI ROLL

DEVICE TECHNOLOGIES, INC.



Protect-Fast™ AERO Braided Sleeving is a tough, lightweight method used to contain and protect cable assemblies, hoses, and wire harnesses from abrasion and cutting. The PFR material is MIL-202 and FAR25 approved, gasoline resistant, and has a temperature rating from -103°F to 257°F (-75°C to 125°C).

- Flammability rating FAR 25 UL VW-1
- Expansion 150% sleeve, 25% overlap wrap
- Melt temperature 545°F (285°C)
- High resistance to chemicals, corrosion, and abrasion
- Recommended cutting: hot knife
- Low and medium out-gassing
- Black with white tracer

EDMO#	MFR#	DIAMETER	LENGTH
PFR MATERIAL			
PFR1BT0200	3-PFA-PFR-1-BT-0200	1/4 in	100 ft
PFR2BT0125	PFA-PFR-2-BT-0125	3/8 in	125 ft
PFR3BT0100	PFA-PFR-3-BT-0100	1/2 in	100 ft
PFR4BT0075	PFA-PFR-4-BT-0075	3/4 in	75 ft
PFR6BT0050	PFA-PFR-6-BT-0050	1-1/4 in	50 ft
ECM MATERIAL			
PFAECM1BT2	PFA-ECM-1-BT-0200	1/4 in	200 ft
PFAECM3BT1	PFA-ECM-3-BT-0100	1/2 in	100 ft

ROUNDIT® 2000 NX SELF-WRAPPING WIRE SLEEVING

EDMO# 5676001307
MFR# 5676001307S



Roundit® 2000 NX is a woven combination of Nomex® and PPS (polyphenylene sulfide). The Nomex®/PPS blend is constructed in a flat weave which gives it a rugged and smooth texture and makes it ideal for high temperature wire bundling. This product is rated up to 200°C and contains no halogens. Roundit 2000 NX is ideal for commercial and defense aircraft applications due to its excellent abrasion resistance and halogen-free qualities. Roundit self-wrapping wire wrap is lightweight and tough with oversleeves used for bundling and protecting cable assemblies, hoses, and wire harnesses from chafing, cutting, and abrading. The self-wrapping feature allows quick and easy application and removal for assembly or maintenance.

- Rated to 200°C
- Excellent cut-through and abrasion resistance
- Halogen free
- Tough fabric texture
- Oil and water repellent
- Self-wrapping design
- 1/2-inch diameter
- Olive green color

ROUNDIT 2000 SELF WRAPPING SLEEVE



Roundit® 2000 self-wrapping sleeves are tough and lightweight over sleeves used to bundle and protect cable assemblies, hoses and wire harnesses from chafing, cutting, and abrading. Roundit's self-wrapping feature allows for quick application and removal for assembly and maintenance. It may be applied and removed without disturbing connectors or fittings. Roundit® 2000 is rated to 125°C and has applications in aeronautical, electronic, furniture accessory and general manufacturing industries.

- Rated to 125°C
- UL recognized
- Self-wrapping design
- Easy to apply and remove
- Ideal for working with components without disconnecting wires
- Tough fabric texture

EDMO#	MFR#	NOMINAL SIZE (IN)
5651000803	5651000803S	5/16
5651001003	5651001003S	3/8
5651001303	5651001303S	1/2
5651001903	5651001903	3/4
5651002503	5651002503	1
5651003203	5651003203S	1 1/4
5651003803	5651003803	1 1/2
5651004503	5651004503S	1 3/4
5651005103	5651005103S	2
5651006203	5651006203	2 3/4

STS PTFE TUBING



Protect® STS standard wall PTFE tubing is used in many military applications. Particular extrusion techniques during the manufacturing process allows this Teflon tubing to have uniform concentrically and remain pin-hole free. STS tubing is ideal for applications where heat resistance, excellent dielectric values, and chemically inert properties are required.

- Application specifications: AMS-3651B, AMS-3653 & MIL-I-22129C
- UL File Number: E52612
- Flammability: VW-1

EDMO#	MFR#	NOMINAL ID / WALL THICKNESS
NATURAL COLOR — SOLD AS 100 FT SPOOL		
STS-20	STS-20	0.034/0.016
STS-14	STS-14	0.066/0016

VINYL TUBING



ProTECT® SLV-40 Vinyl Tubing is extremely flexible and designed for low temperature applications down to -85°F with a continuous rating of 175°F. It can be used in applications where general purpose vinyl tubing lose their flexibility. SLV-105 ProTECT Vinyl tubing is rated for high temperature applications up to 221°F (105°C).

- Meets MIL-I-7444 specification
- SLV-40 operating temperature range: -85°F to 175°F (-65°C – 80°C)
- SLV-105 operating temperature range: 15°C to 115°F (-10°C to 105°C)
- Standard colors: black and clear (all parts listed in table are clear)
- Standard length: 100 ft

EDMO#	MFR#	NOMINAL I.D./WALL THICKNESS (IN)
SLV-40 LOW TEMPERATURE APPLICATIONS		
SLV-40-12	SLV-40-12	0.085/0.016
SLV-40-1	SLV-40-1	0.095/0.016
SLV-40-1/8	SLV-40-1/8	0.125/0.020
SLV-403/16	SLV-40-5 3/16	0.1875/--
SLV-40-1/4	SLV-40-1/4	0.250/0.020
SLV40-5/16	SLV-40-5/16	0.312/0.025
SLV40-9/16	SLV-40-9/16 CLEAR	0.562/ 0.030
SLV-40-3/8	SLV-40-3/8 CLEAR	0.375/0.025
SLV40-7/16	SLV-40-7/16 CLEAR	0.438/0.025
SLV-40-1/2	SLV-40-1/2 CLEAR	0.500/0.025
SLV-40-5/8	SLV-40-5/8	0.625/0.0330
SLV-40-3/4	SLV-40-3/4	0.750.0.035
SLV-40-7/8	SLV-40-7/8 CLEAR	0.875/0.035
SLV-105 HIGH TEMPERATURE APPLICATIONS		
SLV105-7/8	SLV105-7/8	0.875/0.035
SLV-105-13	SLV-105-13	0.076/0.016
SLV-105-14	SLV-105-14	0.066/0.016

NATURAL FIBERGLASS TUBING



ProTECT® SLV-1200 fiberglass sleeving is constructed of braided fiberglass for use in temperatures up to 1,200°F. It provides maximum abrasion resistance and high flexibility and is treated to remove all organic matter and to render the glass braid fray-resistant.

- MIL-I-3190, Class C
- Operating temperature: -75°F to 1200°F (-60°C to 650°C) Color: Natural
- Braided fiberglass construction provides abrasion resistance
- High temperature application up to 1,200°F (650°C)

EDMO#	MFR#	NOMINAL ID / WALL THICKNESS (IN)
SLV1200-4	SLV1200-4	0.208/0.015
SLV1200-02	SLV-1200-02	0.263/0.020
SLV12003/8	SLV12003/8	0.387/0.032
SLV1200716	SLV1200-716	0.450/0.032
SLV12001/2	SLV12001/2	0.512/0.032
SLV12005/8	SLV1200-5/8	0.640/0.032
SLV12003/4	SLV12003/4	0.768/0.032
SLV12007/8	SLV1200-7/8	0.8930.032
SLV1200-1	SLV1200-1	1.018/0.032

NORPRENE INDUSTRIAL GRADE TUBING

EDMO# 0023-111
MFG# 0023-111



Norprene industrial grade tubing boasts of high performance and features superior weathering, abrasion resistance, flexibility, and has a low gas permeability. This tubing is ideal for use in peristaltic pump and vacuum systems applications due to its high degree of flexibility and resistance to fatigue. It has a long service life even after years of exposure to heat and ozone.Flexible polyolefin heat shrink tubing.

TAPE

NYLON TAPE



101-2WHT

Flat braided tape manufactured from 100% high tenacity continuous filament nylon yarn and is saturated with a specially formulated microcrystalline fungicidal wax for improved knot holding and tying characteristics.

Width:	0.180 to 0.220 in
Thickness:	0.013 to 0.019 in
Tensile strength:	135 lb, minimum
Elongation:	40%, maximum
Mil-Spec:	Formerly Mil-T-43435B, Type 1, Size 1, Finish B or A-A-52080-B-1

EDMO#	MFR#	COLOR
101-2BLK	101-2 BLACK	Black
101-2WHT	101-2 NATURAL	Natural

FLAT BRAIDED TAPE

EDMO# 203-3B
MFR# 203-3BLACK



Black flat braided tape manufactured from 100% high tenacity continuous filament nylon yarn and is saturated with a specially formulated synthetic elastomer finish for improved knot holding and tying characteristics.

Width:	0.077 to 0.94 in
Thickness:	0.011 to 0.017 in
Tensile Strength:	50 lb, minimum
Elongation:	40%, maximum
Mil-Spec:	Formerly MIL-T-43435B Type II, Size 3, Finish C or A-A-52081-C-3

EDMO#	MFR#	COLOR
203-3B	203-3BLACK	Black
203-3N	203-3 NATURAL	Natural

FUSION TAPE - COLD SHRINK

EDMO# 605980-1
MFR# 605980-1



Cold shrink fusion electrical tape does not require any heat or open flame when applied and does not transfer any adhesive to the materials it is applied to (making for minimal cleanup when removed). This tape forms a tough, homogeneous, watertight skin around the substrate, even when immersed in water. This tape is resistant to abrasion, impact, sunlight, and most chemicals without the need for overwrap in most applications and it easily covers irregular surfaces.

Dimensions:	0.75 in × 0.020 in × 30 ft
Temperature range:	-40°F - 212°F (-40°C - 100°C), 226°F (130°C)

SILICON FUSION TAPE

EDMO# 608036-1
MFR# 608036-1



Extruded from high performance silicone rubber, silicon fusion tape is self-adhering and self-fusing, curing into a solid rubber insulator at room temperature in 24 hours or less, resulting in an inseparable barrier that resists moisture, ozone, and corona at temperatures up to 260° C. Its high conductivity allows for rapid heat dissipation, resulting in lower temperature rise on all types of connections.

Dimensions:	1 in × 0.020 in × 36 ft
Temperature range:	140°F – 390°F (-60°C - 200°C), 500°F (260°C) max

MOX 602 SELF FUSING SILICONE TAPE

EDMO# MOX602-1R
MFR# MOX 602



MOX-Tape 600-T Triangular Series Tape is produced in the form of a triangular cross section with a colored guideline running along the peak of the triangle. The guideline facilitates winding of the tape so minimum overlapping is obtained while maximum physical and electrical properties are retained. The tape is interleaved with a quick release film. It is self-bonding and self-fusing. After curing at room temperature for 24 hours, the tape forms an inseparable silicone layer that must be cut for removal.

Width:	1.0 in
Length of role:	12 yd
Temperature range:	-65°F to 500°F

HIGH GAIN REFLECTIVE TAPE

EDMO# 10-4000176
MFR# 10-400-0176



High gain reflective tape is ideal for reflecting a PhotoTach beam in propeller, rotary, and turbine fan balancing applications. It will work with photoelectric sensors, such as propeller and rotor balancing equipment from ACES Systems, including video motion capture systems. Constructed using 3M 7610 reflective tape, this plastic-based film provides excellent retro-reflectivity due to its spherical lens shape. At only 4-mil think and a peel-off back liner, this tape conforms easily to most surfaces, making it ideal for indoor and outdoor use.

- Sealed-lens surface
- Thin construction
- Excellent reflective gain
- Ease of angularity & conformity
- Angularity allows for pickup from moving objects
- 10ft roll

Available Widths:	1/2, 3/4, 1, 2 in (1.27, 1.90, 2.54, 5.08 cm)
Thickness:	Applied: 0.004 in (0.010 cm) Liner: 0.006 in (0.015 cm)
Length:	10 ft (3.05 m)
Typical Luminances Factor:	-4° reading: 900X Skewed 45° reading: 700X
Temperature Resistance:	175°F (79°C), continuous 250°F (121°C), intermittent exposure

MU-METAL MAGNETIC SHIELDING FOIL

EDMO# MUT004-4
MFR# MUT004-4



MuMetal® foil is used primarily in low intensity fields where the highest attenuation and permeability μ(Mu) and highest shielding efficiency are desired. MuMetal® foil is fully annealed and available in stock gauges from 0.0002 to 0.010 inches thick.

- Does not require re-annealing unless severe forming or heliarc welding is performed
- Foils can be slit to a minimum with of 1/4 inch
- Foil width tolerance is ±0.010 inches
- Includes adhesive back

EDMO: YOUR SOURCE FOR WIRE & CABLE MANAGEMENT
Did you know that EDMO has a large inventory of wire & cable management supplies? If you don't see what you need here, it's likely we have it, or can order it in for you. Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

LABEL & SHRINK TUBE PRINTERS

EPSON LABELWORKS PX900 HANDHELD LABEL PRINTER

EPSON



The EPSON LabelWorks™ PX900 label printer sets the standard for industrial label printers, with high-resolution printing capabilities for printing die-cut and fixed-length labels, heat-shrink tube, and bar codes. The LW-PX900 prints 360 dpi at print speeds up to 35 mm/sec and is capable of printing on die-cut square, circle, and oval supplies. Convenience-enhancing features like the included removable magnets that allow the printer to be secured to metal surfaces, time-saving hot keys, and the "Drop-Stop" and "Pick and Print" functionalities add to the LW-PX900's versatility.

- High-speed, 360 dpi print output capabilities produce crisp, detailed labels, bar codes, and wire identification
- Wire identification faster and at higher resolution than other printer models
- Prints at speeds up to 35 mm / sec
- Can print on shrink tube up to 21 mm (7/8-inch) wide as well as on die-cut square, circle, or oval supplies
- Provides a 4 mm standard lead margin and the ability to reduce tape waste down to 1 mm
- Front loading design for fast tape replacement
- Comes with magnet attachments that make it easier to use in the field or in work areas where space is limited
- Equipped with industry specific hot keys that streamline and simplify template section from among six different styles and applications for wire wrap, patch panels, and punch blocks
- "Drop-stop" feature stops printing and holds the label until it is removed by the user
- "Pick and Print" programming directs the printer to pause printing and cutting subsequent labels when the "Drop-Stop" feature is engaged
- Provides options for auto-cut and half-cut while a "Mixed Length" option allows the user to quickly select varying label lengths for print
- Includes eight bar-code formats including 2D QR codes, 1000+ symbols, and multiple design effects
- Auto alphanumeric sequencing, repeat and reversed color printing provide added options for label and heat-shrink tube creation
- Printing information can be uploaded and stored into the printer using the included software and USB cable included with some versions
- ENERGY STAR® certified

LW-PX900

Includes Epson LW-PX900 Label Printer, AC adapter, 1 tape cartridge (212BWPX), owner's manual labeling tape

PW-PX900PCD

Includes Epson LW-PX900 Label Printer, Label Editor Professional software (CD), USB cable, AC adapter, 1 tape cartridge (212BWPX), Li-Ion rechargeable battery, 2 removable magnet attachments, owner's manual, industrial hard plastic case

EDMO#	MFR#	DESCRIPTION
LW-PX900	LW-PX900	LW-PX900 kit
LWPX900PCD	LW-PX900PCD	LW-PX900 Deluxe kit

EDMO#	MFR#	DESCRIPTION
PRINTER ACCESSORIES		
LWPXMAG	LWPXMAG	Magnetic attachment
LWPXLION	LWPXLION	Replacement Li-Ion battery pack
AST1527	AST1527	Replacement power adapter for LW-PX900, LW-PX800, PEARLabel 360
CARTRIDGES		
236HCPX	236HCPX	Cleaning cartridge: 1 1/2 × 13 ft, 36MM, 100 uses

EPSON LABELWORKS PX800 DESKTOP LABEL PRINTER

EPSON
EDMO# LW-PX800
MFR# LW-PX800



The EPSON LabelWorks™ PX800 is a compact desktop label printer that provides fast print speeds and the ability to print on 163 materials including magnetic tape, heat shrink tube, glow-in-the-dark material, and industrial adhesive labels up to 1.5 inches wide. This little printer takes up minimal desktop space and comes equipped with hundreds of templates for commonly used labels and signs and thousands of symbols; it also provides capabilities for storing commonly used bar codes or creating 2D QR codes. For users creating large batches of labels, the PX800 can streamline the process by importing prepared data and tables from Excel. To add that extra professional touch, users can even import images including logos and other graphics.

- Provides fast print speeds of up to 35 mm/sec with crisp, clear 360-dpi printing resolution and uses economical tape cartridges that yield more labels
- Prints on supplies up to 36 mm (1.5 inches) wide (prints on shrink tube up to 21 mm (7/8 inch) wide)
- Designed with an integrated PeelGuard® trimmer that extends label life by rounding label corners
- 1 mm margin setting reduces wasted tape*
- Equipped with WI-FI printing capabilities that can be used with any smart device and Epson iLabel or datacom app — this network connectivity makes it easy for multiple users to share one printer
- Half-cut function allows the user to serialize strips of labels Constructed with a compact, top-loading design that saves desktop space (measures 12.3 × 15.1 × 13.8 in)
- ENERGY STAR® certified
- Includes: printer, AC adapter, USB cable, label editor professional software and manual on CD-ROM, guide, and 212BWPX labeling tape

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THE EDMO WAY

EDMO Distributors is an independent wholesale distributor of aircraft electronics and accessories with a central office located in Spokane, Washington. Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

EPSON LABELWORKS PX750 LABEL SHOP KIT

EPSON



The EPSON LabelWorks™ PX750 label printer is a professional and portable label printer and bar code printer with exclusive time- and cost-saving features for creating custom and compliant labels and asset tags. Application-specific hotkeys makes this label printer easy-to-use while offering extra flexibility. Users can import images and print on the go. Mixed length printing produces variable length labels on a single, half-cut strip, and the pick-and-print feature offers faster print-and-apply when in the field. The LW-PX750 produces less waste with its innovative rollback feature.

- Prints on industrial labels and magnetic tape from 1/8 inch (4 mm) to 1 inch (24 mm) wide and innovative rollback technology reduces lead margins to 4 mm to reduce waste
- Auto full/half-cut feature creates uniform or mixed-length labels for ease of printing and application in the field
- Import and print batch files from Excel® spreadsheets with the Label Editor Professional software
- Create or import up to 100 label designs and custom images with the large built-in memory
- Specialty print modes and application-specific hotkeys simplify bar code printing, asset management, and industrial labeling applications
- Built-in handle allows for easy transport in the field or in around the office
- Print specialty labels such as heat shrink tube, magnetic tape, self-laminated, glow-in-the-dark, strong adhesive and reflective tapes for industrial applications
- PeelGuard® automatically cuts rounded corners for extending the life and durability of labels

EDMO#	MFR#	DESCRIPTION
LW-PX750	LW-PX750	LW-PX750 kit | includes the LW-PX750 label printer, AC adapter, 1 tape cartridge (212BWPX), and owner's manual
LWPX750PCD	LWPX750PCD	LW-PX750 deluxe kit | includes the LW-PX750 label printer, Label Editor Professional Software CD, USB cable, AC adapter, 1 tape cartridge (212BWPX), and owner's manual, and semi-ridged carrying case

EPSON LABELWORKS PX700 LABEL PRINTER

EPSON



The EPSON LabelWorks™ PX700 industrial label maker is a portable label and wire marker printer with time- and cost-saving features for creating custom and compliant labels up to 1 inch wide. With application-specific hot keys, this easy-to-use label maker offers unique flexibility. The LW-PX700 also features mixed-length printing for variable length labels on a single half-cut strip and "Pick-and-Print" for quicker printing. The LABELWORKS PX innovative rollback technology provides less lead margin waste.

- Prints on 1/8 inch to 1 inch (4 mm to 24 mm) wide supplies
- "Pick-and-Print" features help users quickly and easily print in the field
- Unique margin setting capability allows users to reduce unwanted margin space down to 1 mm
- Front load cartridge design makes changing supplies quick and easy
- Includes 898 symbols, serialization, 15 bar codes, and QR codes
- Import and store up to 100 custom labels and images
- Prints on specialty labels such as heat shrink tube, magnetic tape, self-laminated, glow-in-the-dark, strong adhesive and reflective tapes

EDMO#	MFR#	DESCRIPTION
LW-PX700	LW-PX700	LW-PX700 | includes the LW-PX700 label printer, AC adapter, 1 tape cartridge (212BWPX), owner's manual
LWPX700PCD	LWPX700PCD	LW-PX700 Deluxe kit | includes the LW-PX700 label printer, label editor professional software CD, USB cable, AC adapter, 1 tape cartridge (212BWPX), Li-Ion rechargeable battery, 2 removable magnet attachments, owner manual, industrial hard plastic case
PRINTER ACCESSORIES		
LWPXLION	LWPXLION	Replacement Li-Ion battery pack

EPSON LABELWORKS PX400 LABEL PRINTER

EPSON
EDMO# LW-PX400
MFR# LW-PX400



The EPSON LabelWorks™ PX400 Label Printer is a wireless industrial label printer that meets the needs of datacom installers and electricians who require a portable label printer for wire labeling applications. Compact and lightweight, this label printer uses tapes up to 24 mm wide and works wirelessly in the field via Bluetooth® using an Android™ or iOS™ device or from a PC with the Label Editor Professional software. It creates professional looking visual identification with durable adhesive supplies for marking wire and cables with self-laminating wraps and heat heat-shrink tubing.

- Quickly make labels and signs from hundreds of commonly used templates for safety, facility, GHS, inventory, electrical applications
- Fully loaded software with thousands of symbols for a variety of safety, organizing, or decorative labels
- Add commonly used bar codes for inventory management or asset tracking; 2D QR codes can also be created to hold even more information such as links to websites, phone numbers, and detailed product information
- Import data from an Excel spreadsheet to create large batches of labels, or create information directly in the software
- User friendly software provides for easy label creation with an easy to navigate layout and quick access icons
- Import images to create unique labels or add a logo for that professional touch
- Wireless printing allows for users to print from any Android™ or Apple™ device using the Espon iLabel app
- Prints on labels from 1/6 to 1 inch wide on more than 160 colors and materials
- Connects wirelessly via Bluetooth to the mobile app or customize the app with an available SDK; also connects to the Label Editor Professional software
- Designed for datacom installers to include TIA-606-B formatted, brand-name patch-panel templates and wire-marking shortcuts
- iLabel app easily prints bar codes and QR codes
- Print wirelessly or via USB with the Label Editor Professional software which includes hundreds of templates, images, and bar codes
- Split-back labels and auto-cutter feature allow for fast label creation and application; and voice-to-text enabled mobile devices significantly reduce data entry time Prints on specialty labels such as reflective, magnetic, glow-in-the-dark and strong adhesive tapes
- Smaller lead margin adds up to 60% less waste
- Includes the Epson LW-PX400 label printer, Label Editor Professional software, user manual, AC adapter, USB cable, tape cartridge (212BWPX), and the drop guard rubber guard sleeve

EPSON LABELWORKS PX350 LABEL PRINTER

EPSON
EDMO# LW-PX350
MFR# LW-PX350



The EPSON LabelWorks™ PX350 is a portable label printer for wire marking and general identification. The low cost, wire marking, and bar-code printer creates custom and compliant labels up to 3/4 of an inch (18 mm) wide. The special-function hot keys and automatic cutter makes the LW-PX350 label printer flexible and easy-to-use. At an affordable price, this label printer can print on a variety of materials including magnetic tape, heat shrink tube, and super strong adhesive tapes.

- Prints industrial labels, heat shrink tube, and magnetic tape from 1/8 to 3/4 inch (4 to 18 mm) wide, and has reduced waste and cost per print with smaller margins
- The Auto full-cut— with automatic cutter provides for ease of printing and application in the field
- Hot keys, pre-formatted bar codes, font size and length, symbols and alpha-numeric sequencing help streamline label creation
- Built-in handle allows for easy carrying around work areas
- Prints on specialty labels such as heat shrink tube, magnetic tape, strong adhesive and fluorescent colors for industrial applications
- Meets Mil-spec drop test standards, MIL-STD-810
- Includes the Epson LW-PX350 Label Printer, AC adapter, tape cartridge (218BWPX), heat shrink tube cartridge (211STBWPX), owner's manual, and semi-rigid carrying case

EPSON LABELWORKS PX300 LABEL PRINTER

EPSON
EDMO# LW-PX300
MFR# LW-PX300



The EPSON LabelWorks™ PX300 is a low-cost, compact wire-marking, bar-code and general-identification label printer for creating custom and compliant labels up to 3/4" (18 mm) wide. This portable, easy-to-use label maker offers extraordinary flexibility and durability at an affordable price. It can print on a variety of materials such as magnetic tape, heat shrink tube and super strong adhesive tape.

- Prints industrial labels, heat shrink tube, and magnetic tape from 1/8 to 3/4 inch (4 to 18 mm) wide, and has reduced waste and cost per print with smaller margins
- Bright backlit display makes labeling in low-light environments quick and easy
- Can print serialized labels and will print and hold a label until you press the "cut" button. Then the LW-PX300 will automatically print the next label in the series and repeat until the batch of labels is finished
- Compact QWERTY keyboard has individually raised keys for more accurate data entry

CARTRIDGES FOR EPSON PRINTERS

EPSON

SHRINK TUBE CARTRIDGES



Label shrink tubes use industrial grade polyolefin base materials that have a shrink rate of 50% or more in diameter and 15% or less in length.

- Temperature range 90°C to 270°C
- Compliance standards: UL standard 224 (rated temperature: 125°C, rated voltage: 300V, flame resistance grade VW-1)

EDMO#	MFR#	COLOR	DIMENSIONS (IN)
FOR USE WITH ALL EPSON LABEL PX PRINTERS			
203YLBYPX	203YLBYPX	Black on Yellow	1/8 x 98
203YLBWPX	203YLBWPX	Black on White	1/8 x 98
205STBRPX	205STBRPX	Black on red	3/16 x 96
205STBWPX	205STBWPX	Black on white	3/16 x 96
205STBYPX	205STBYPX	Black on yellow	3/16 x 96
205STWBPX	205STWBPX	White on black	3/16 x 96
208B20BYPX	208B20BYPX	Black on yellow	1/4 x 96
208B20BWPX	208B20BWPX	Black on white	1/4 x 98
210STBWPX9	210STBWPX-90	Black on white	3/8 x 90
211STBWPX	211STBWPX	Black on white	1/2 x 96
211STBYPX	211STBYPX	Black on yellow	1/2 x 96
214STBWPX	214STBWPX	Black on white	9/16 x 96
221STBWPX	221STBWPX	Black on white	7/8 x 96
221STBYPX	221STBYPX	Black on yellow	7/8 x 96

LABELING TAPE



Label tapes are made of a durable, all-weather polyester base with an industrial grade acrylic adhesive that makes them flexible enough to be mounted on curved surfaces. The tapes comply with ANSI/TIA/ EIA-606A standards and have a 5-7 year outdoor life with the ability to withstand extreme heat and cold temperatures. Each cartridge contains 26 feet of tape.

EDMO#	MFR#	COLOR	DIMENSIONS
FOR USE WITH ALL EPSON LABEL PX PRINTERS			
204BWPX	204BWPX	Black on white	1/6 in x 30 ft
206BBPX	206BBPX	Black on blue	1/4 in x 30 ft
206BCPX	206BCPX	Black on clear	1/4 in x 30 ft
206BRPX	206BRPX	Black on red	1/4 in x 30 ft
206BWPX	206BWPX	Black on white	1/4 in x 30 ft
206BYPX	206BYPX	Black on yellow	1/4 in x 30 ft
206WBPX	206WBPX	White on black	1/4 in x 30 ft
209BBPX	209BBPX	Black on blue	3/8 in x 30 ft
209BCPX	209BCPX	Black on clear	3/8 in x 30 ft
209BGPX	206BGPX	Black on green	3/8 in x 30 ft
209BRPX	209BRPX	Black on red	3/8 in x 30 ft
209BWPX	209BWPX	Black on white	3/8 in x 30 ft
209BYPX	209BYPX	Black on yellow	3/8 in x 30 ft
209SMPX	209SMPX	Black on silver matte	3/8 in x 30 ft
209WBPX	209WBPX	White on black	3/8 in x 30 ft
212BBPX	212BBPX	Black on blue	1/2 in x 30 ft
212BCPX	212BCPX	Black on clear	1/2 in x 30 ft
212BGPX	212BGPX	Black on green	1/2 in x 30 ft
212BOPX	212BOPX	Black on orange	1/2 in x 30 ft
212BRPX	212BRPX	Black on red	1/2 in x 30 ft
212BWPX	212BWPX	Black on white	1/2 in x 30 ft
212BYPX	212BYPX	Black on yellow	1/2 in x 30 ft
212GBPX	212GBPX	Gold on black	1/2 in x 30 ft
212GCPX	212GCPX	Gold on clear	1/2 in x 30 ft
212RAPX	212RAPX	Black on white | removable adhesive	1/2 in x 30 ft
212SMPX	212SMPX	Black on silver	1/2 in x 30 ft
212WBPX	212WBPX	White on black	1/2 in X 30 ft
212WCPX	212WCPX	White on clear	1/2 in X 30 ft
212WGPX	212WGPX	White on green	1/2 in X 30 ft

EDMO#	MFR#	COLOR	DIMENSIONS
212WLPX	212WLPX	White on blue	1/2 in X 30 ft
212WRPX	212WRPX	White on red	1/2 in X 30 ft
218BBPX	212BBPX	Black on blue	3/4 in X 30 ft
218BGPX	218BGPX	Black on green	3/4 in X 30 ft
218BOPX	218BOPX	Black on orange	3/4 in X 30 ft
218BRPX	218BRPX	Black on red	3/4 in X 30 ft
218BTMPX	218BTMPX	Black on translucent matte	3/4 in X 30 ft
218BVPX	218BVPX	Black on violet	3/4 in X 30 ft
218BWPX	218BWPX	Black on white	3/4 in X 30 ft
218BYPX	218BYPX	Black on yellow	3/4 in X 30 ft
218FGPX	218FGPX	Black on fluorescent green	3/4 in X 16 ft
218FOPX	218FOPX	Black on fluorescent orange	3/4 in X 16 ft
218FPPX	218FP	Black on fluorescent pink	3/4 in X 16 ft
218FRPX	218FRPX	Black on fluorescent red	3/4 in X 16 ft
218FYPX	218FYPX	Black on fluorescent yellow	3/4 in X 16 ft
218SMPX	218SMPX	Black on silver matte	3/4 in x 30 ft
218WBPX	218WBPX	White on black	3/4 in x 30 ft
218WCPX	218WCPX	White on clear	3/4 in x 30 ft
218WGPX	218WGPX	White on green	3/4 in x 30 ft
218WLPX	218WLPX	White on blue	3/4 in x 30 ft
218WOPX	218WOPX	White on orange	3/4 in x 30 ft
218WRPX	218WRPX	White on red	3/4 in x 30 ft
224BBPX	224BBPX	Black on blue	1 in x 30 ft
224BCPX	224BCPX	Black on clear	1 in x 30 ft
224BGPX	224BGPX	Black on green	1 in x 30 ft
224BOPX	224BOPX	Black on orange	1 in x 30 ft
224BRPX	224BRPX	Black on red	1 in x 30 ft
224BWPX	224BWPX	Black on white	1 in x 30 ft
224BYPX	224BYPX	Black on yellow	1 in x 30 ft
224IBWPX	224IBWPX	Black on white | industrial adhesive	1 in x 30 ft
224IBYPX	224IBYPX	Black on yellow | industrial adhesive	1 in x 30 ft
224RFWPX	224RFWPX	Black on reflective white	1 in x 4 ft 9 in
224SMPX	224SMPX	Black on silver matte	1 in x 30 ft
224WBPX	224WBPX	White on black	1 in x 30 ft
224WCPX	224WCPX	White on clear	1 in x 30 ft
224WGPX	224WGPX	White on green	1 in x 30 ft
224WLPX	224WLPX	White on blue	1 in x 30 ft
224WRPX	224WRPX	White on red	1 in x 30 ft
236BBPX	236BBPX	Black on blue	1 1/2 in x 30 ft
236BCPX	236BCPX	Black on clear	1 1/2 in x 30 ft
236BGPX	236BGPX	Black on green	1 1/2 in x 30 ft
236BOPX	236BOPX	Black on orange	1 1/2 in x 30 ft
236BRPX	236BRPX	Black on red	1 1/2 in x 30 ft
236BWPX	236BWPX	Black on white	1 1/2 in x 30 ft
236BYPX	236BYPX	Black on yellow	1 1/2 in x 30 ft
236IBWPX	236IBWPX	Black on white | strong adhesive	1 1/2 in x 30 ft
236IBYPX	236IBYPX	Black on yellow | strong adhesive	1 1/2 in x 30 ft
236SMPX	236SMPX	Black on silver matte	1 1/2 in x 30 ft
236WBPX	236WBPX	White on black	1 1/2 in x 30 ft
236WGPX	236WGPX	White on green	1 1/2 in x 30 ft
236WLPX	236WLPX	White on blue	1 1/2 in x 30 ft
236WRPX	236WRPX	White on red	1 1/2 in x 30 ft

INDUSTRIAL MAGNET TAPE

EPSON
EDMO# 236MTBYPX4
MFR# 236MTBYPX-4.9



Epson LABELWORKS PX Magnetic labeling tape is perfect for those who need durable, yet removable and reusable labels. Ideal for metal shelving and toolboxes, magnetic labeling tape is strong and long lasting and can withstand extreme temperatures and humidity. They provide excellent resistance to smearing, scratching, curling edges, and peeling and are designed for jam-free printing and are cross-compatible with all PX printers.

Dimensions:	1-1/2 in x 4.9 ft
Color:	Black on yellow

VINYL SELF-LAMINATING TAPE

EPSON



Epson LABELWORKS PX Self-Laminating Labels provide long-lasting legibility of labels for cable and wire identification. PX self-laminating labels feature highly legible text with a durable wrap-around covering that is available in both vinyl and polyester. Like Epson's other PX labeling products, these self-laminating are cross compatible with any PX printer capable of 1-1/2-inch tape widths while providing jam- and hassle-free printing.

EDMO#	MFR#	COLOR	DIMENSIONS (IN)
FOR USE WITH ALL EPSON LABEL PX PRINTERS			
236VSLPX	236VSLPX	Black on White	1/2 x 30
224VSLPX	224VSLPX	Black on Clear	1 x 26.2

STRONG ADHESIVE TAPE

EPSON
EDMO# 212IBWPX
MFR# 212IBWPX



Epson LABELWORKS PX Self-Laminating Labels LABELWORKS PX Strong Adhesive Labeling Tape is made of a durable, flame-retardant polyolefin base makes them flexible enough to be mounted on curved surfaces. These labeling heat shrink tubing comply with UL Standard 224 standards, have a rated voltage of 300V, and a VW-1 flame resistance grade. Also, PX heat shrink labels are up to 125°C.

Dimensions:	1/2 in x 30 ft
Color:	Black on white

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Choose from EDMO's vast array of wire, cable, and coax, and have it laser wire marked for the job at hand. Or, try a wireless label printer to mark wire in-house and enjoy a host of extra industry label applications. Additional wire management solutions include cable ties and cutters, wire strippers, heat shrink tubing, spiral wrap, and so much more. Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

PX VINYL TAPE

EPSON
EDMO# 250VTBWPX
MFR# 250VTBWPX



LABELWORKS PX vinyl tape provides the perfect option for those who need flexible labels that are durable and resistant to heat, weather, and chemicals. From labs and commercial kitchens to a HVAC and a wide variety of outdoor applications, LABELWORKS PX vinyl tape makes labeling in extreme conditions easy. Strong and long-lasting, LABELWORKS PX vinyl labels adhere smoothly even on curved or uneven surfaces, and will stay firmly attached while providing excellent resistance to smearing, scratching, fading, and peeling. Unlike competing offering, LABELWORKS PX vinyl tape is designed for jam-free printing. Compatible with LW-Z5010PX and LW-Z5000PX printers

Dimensions:	2 in x 22.9 ft
Color:	Black on white

GROMMET EDGING

SPRING-FAST WIRE PROTECTION COMPOSITE GROMMET STRIPS

DEVICE TECHNOLOGIES, INC.

Easy to snap on in seconds, Spring-Fast® wire protection grommet edges protect wire and cable from abrasion while significantly reducing install costs by eliminating the need for heat or toxic adhesives (and the application tools and supplies that goes with them). In addition, the Spring-Fast® series doesn't require as much cleanup nor HazMat disposal and the delays associated with adhesive cure times. These grommet strips provide two- and four-axis flexibility that makes them easy to apply in single- and multi-plane applications.

- UL94 V-0 flammability rating
- High shock and vibration resistance to rams G 41.7
- Continuous edge protection on flanged holes, 1/8-inch or greater inside radius and 1/4-inch or greater outside radius. Continuous heat up to 185°F (85°C), low temperature to -40°F (-40°C)



Gray



Black



BAP SERIES

The Spring-Fast® BAP Flexi Wire Protection Grommet Series provides greater gripping strength than the "T" and "BT" series grommet edging for severe shock and vibration environments with 4-axis flexibility.

BT SERIES

The Spring-Fast® BT series includes the "T" series abrasion-resistant subsurface and a polymer cushion that provides a soft surface edge grommet on which wires and cable are protected.

EDMO#	MFR#	SHEET THICKNESS (IN/MM)
BAP SERIES: 12.75 IN (10 CUT PIECES) – GRAY		
BAP185C402	BAP185C402	0.029 – 0.045 / 0.7 – 1.1
BAP085C402	04-BAP0-0085-EC0402	0.020 – 0.030
BAP025R402	BAP0-0025-ER0402	0.020 – 0.030
BAP SERIES: 1.2 FT CUT LENGTHS – GRAY		
BAP508C402	BAP5-0008-EC0402	0.089 – 0.144 / 2.3 – 2.9
BAP SERIES: 25 FT REEL – GRAY		
BAP125R402	BAP1-0025-ER0402	0.029 – 0.045 / 0.7 – 1.1
BAP SERIES: 100 FT REEL – GRAY		
BAP200R702	BAP2-0100-ER0702	0.044 – 0.056
BAP SERIES: 25-FOOT REEL – BLACK		
BAP125R201	BAP1-0025-ER0201	0.029 – 0.045 / 0.7 – 1.1
BAP225R201	BAP2-0025-ER0201	0.044 – 0.056 / 1.1 – 1.4
BAP60025ER	BAP6-0025-ER0201	0.133 – 0.130 / 2.9 – 3.3
BAP SERIES: 100-FOOT REEL – BLACK		
BAP3-0100	BAP3-0100-ER0201	0.055 – 0.069 / 1.4 - 1.7
BT SERIES: 25-FOOT REEL – BLACK		
BT1-0025-	BT1-0025-ER0201	0.029 – 0.045 / 0.7 – 1.1
BT2025R201	BT2-0025-ER0201	0.044 – 0.056 / 1.1 – 1.4
BT4025R201	BT4-0025-ER02010	.069 – 0.090 / 1.7 – 2.3
BT6025R201	BT6-0025-ER0201	0.113 – 0.130 / 2.9 – 3.3
BT8025R201	BT8-0025-ER0201	0.240 – 0.260 / 6.1 – 6.6
BT SERIES: 100-FOOT REEL – BLACK		
BT6106C201	BT6-0106-EC0201	0.055 – 0.069 / 1.4 – 1.7

GROMMET EDGING NASM22529/2 SERIES

DEVICE TECHNOLOGIES, INC.



The NASM22529/2 series has an abrasion-resistant subsurface and a polymer cushion that protect wires and cable from abrasion. Military specification, FAA approved per NASM 22529/2 and national stock numbers per Federal Supply Code 5352.

EDMO#	MFR#	SHEET THICKNESS (IN/MM)
25-FOOT REEL – GREEN/GRAY		
M/2-1R-25	04-M22529/2-1R-25	0.025 / 0.6
M/2-2R-25	04-M22529/2-2R-25	0.036 / 0.9
M/2-3R-25	04-M22529/2-3R-25	0.059 / 1.5
M/2-4R-25	04-M22529/2-4R-25	0.070 / 1.9
M/2-5R-25	M/2-5R-25	0.090 / 2.3
M/2-7R-25	04-M22529/2-7R-25	0.178 / 4.5
M/2-3C-117	M22529/2-3C-117	0.059 / 1.5
10 CUT PIECES – 12.75 IN LENGTH – GREEN/GRAY		
M/2-1C-85	04-M22529/2-1C-85	0.025 / 0.6
M/2-3C-6	M22529/2-3C-6	0.059 / 1.5
M/2-3C-85	M22529/2-3C-85	0.059 / 1.5
M/2-4C-85	04-M22529/2-4C-85	0.070 / 1.9
M/2-7C-46	04-M22529/2-7C-46	0.178 / 4.50
M/2-7C-54	04-M22529/2-7C-54	0.178 / 4.50
M/2-8C-58	04-M22529/2-8C-58	0.240 / 6.10
100-FOOT REEL – GREEN/GRAY		
M/2-2R-100	M22529/2-2R-100	0.036 - 0.063 in / 0.90 – 1.60
M/2-4R-100	M22529/2-4R-100	0.070 – 0.093 / 1.80 – 2.40

SLIM LOK ENCAPSULATED FLEXI-GROMMET EDGING

DEVICE TECHNOLOGIES, INC.



Spring-Fast® SL Series, low-profile, plastic trim has is encapsulated with a fusion bonded nylon substrate that offers superior abrasion resistance. The soft polymer cushion protects wire and cables while its strong gripping strength holds in severe shock and vibration environments while maintaining 4-axis flexibility.

EDMO#	MFR#	SHEET THICKNESS (IN/MM)
SL1-0025-	SL1-0025-ER0201	0.0.29 – 0.045 / 0.7 – 1.1
SL2-0025-	SL2-0025-ER0201	0.044 – 0.056 / 1.1 – 1.4
SL3-0008EC	SL3-0008-EC0201	0.055 – 0.069 / 1.4 – 1.7
SL4-0025-	SL4-0025-ER0201	0.069 – 0.090 / 1.7 – 2.3
SL60026EC0	SL6-0026-EC0201	0.113 – 0.130 / 2.9 – 3.3
SL3-0025	SL3-0025-ER0201	0.055 – 0.069 / 1.4 – 1.7

ADS-B WIRE PROTECTION INSTALLATION KIT

DEVICE TECHNOLOGIES, INC.

This ADS-B install kit from Device Technologies facilitates the ADS-B upgrade for MRO service centers and aircraft owners alike. This installation kit protects critical wires and reduces AOG time due to a quick installation — helping MROs lower cycle time and take on more ADS-B refit work.



Kit includes:	Mil-202 and FAR25 Aero braided sleeving FAA approved Spring-fast grommet edging Spring-fast shears for quick clean cuts Adhesive backed, 24-inch benchtop measuring scale

**Kits can be customized for larger aircraft and length as required.*

EDMO#	MFR#	SHEET THICKNESS
M22529/2-1	M22529/2-1 ADS-B Kit	0.025 – 0.036 in
M22529/2-2	M22529/2-2 ADS-B Kit	0.036 – 0.063 in
M22529/2-3	M22529/2-3 ADS-B Kit	0.059 – 0.074 in
M22529/2-4	M22529/2-4 ADS-B Kit	0.070 – 0.093 in

GROMSTRIPS

Gromstrips consisting of a continuous length of extruded U-channel for use as a protective covering on sharp edges. There are two material options: polyethylene for general use or nylon when more abrasion- and heat resistant material is required. These gromstrips can be cut to any length and a serrated version of the polyethylene gromstrip is ideal for use in acute angles or similar, difficult insulations.

EDMO#	MFR#	SHEET THICKNESS (IN/MM)
NYLON MIL-SPEC 21266		
GSNCM-1	GSNCM-1 NATURAL	0.015 – 0.052 / 0.38 – 1.32
GSNCM-2	GSNCM-2 NATURAL	0.052 – 0.085 / 1.32 – 2.16
GSNCM-3	GSNCM-3 NATURAL	0.085 – 0.128 / 2.16 – 3.25
GSNCM-4	GSNCM-4 NATURAL	0.128 – 0.192 / 3.25 – 4.88
GSNCM-5	GSNCM-5 NATURAL	0.192 – 0.255 / 4.88 – 6.48
SERRATED POLYETHYLENE		
GSPC-1	GSPC-1 NATURAL	0.036 / 0.91
GSPC-2	GSPC-2 NATURAL	0.037 – 0.071 / 0.94 – 1.80
GSPC-3	GSPC-3	0.165 – 0.187 / 2.69 – 4.17
GSPC-4	GSPC-4	0.165 – 0.187 / 4.19 – 4.75
GSPC-5	GSPC-5	0.18 – 0.250 / 4.78 – 6.35

GROMMETS

BULKHEAD GROMMETS/MIL-SPEC



Designed for electrical insulation, sealing, noise control, and vibration isolation, these bulkhead grommets are constructed with synthetic rubber and satisfy mil-spec MS25489.

EDMO#	MFR#	HOLE/GROOVE DIMENSIONS (IN)
MS35489-1	MS35489-1	0.125 x 0.25
MS35489-2	MS35489-2	0.125 x 0.562
MS35489-3	MS35489-3	0.125 x 1.000
MS35489-4	MS35489-4	0.188 x 0.312
MS35489-5	MS35489-5	0.1875 x 0.625
MS35489-6	MS35489-6	0.240 x 0.438
MS35489-7	MS35489-7	0.250 x 0.750
MS35489-9	MS35489-9	0.312 x 0.562
MS35489-10	MS35489-10	0.312 x 0.750
MS35489-11	MS35489-11	0.375 x 0.625
MS35489-13	MS35489-13	0.438 x 0.688
MS35489-14	MS35489-14	0.500 x 0.812
MS35489-16	MS35489-16	0.562 x 0.812
MS35489-18	MS35489-18	0.625 x 1.250
MS35489-19	MS35489-19	0.688 x 1.00
MS35489-21	MS35489-21	0.750 x 1.438
MS35489-22	MS35489-22	0.875 x 1.250
MS35489-23	MS35489-23	1.00 x 1.375
MS35489-33	MS35489-33	0.875 x 0.3125
MS35489-35	MS35489-35	0.25 x 0.4375

VINYL GROMMETS



These vinyl grommets are flexible, oil-resistant, self-extinguishing, and designed for durability with high dielectric strength. Featuring a 60 ±5 Shore A hardness and 1400 psi tensile strength, they offer excellent abrasion resistance, minimal sunlight impact, good hydrocarbon solvent resistance, and remain unaffected by weak acids.

EDMO#	MFR#	DIAMETER (IN)
GV-1/4	GV-1/4	0.128
GV-5/16	GV-5/16	0.188
GV-3/8	GV-3/8	0.250
GV-7/16	GV-7/16	0.313
GV-1/2	GV-1/2	0.375
GV-5/8	GV-5/8	0.500
GV-21/32	GV-21/32	0.391
GV-7/8	GV-7/8	0.625
GV-1 3/8	GV-1 3/8	1.375

TORQUE VERIFICATION BLOCK

DANIELS MANUFACTURING CORP
EDMO# SCT-TB1R
MFR# SCT-TB1R



Torque verification blocks allow for the verification of Safety-T-Cable tools. Tensioning mechanisms are verified using the Safe-T-Cable torque verification block and a push force tester.

- Torque verification block configured for 0.022, 0.032, and 0.040 in right-hand reading torque wrenches.



EDMO

FLASHBACK

Pitot Static Components

Pitot Static Tubing & Fittings 102

PITOT STATIC TUBING & FITTINGS

NYLO-SEAL TUBING



Nylo-Seal tubing is best used for instrumentation lines, lubrication and process piping systems, and fuel, oil, and refrigerant within a temperature range from -60°F to 225°F. This tubing is constructed with Nylon 11, which is not affected by solvents, alkalis, diluted mineral acids, or petroleum products, and also resists sunlight and attacks by vermin. Additionally, this tubing is easy to work with and does not require moisture to enhance its flexibility.

- Withstands a temperature range from -60°F to 225°F
- Tensile strength: 8,500 psi
- Elongation: 310%

EDMO#	MFR#	COLOR	TUBE O.D. (IN)	PSI
44-NSR	44-NSR	Natural	1/4	760
66-NSR	66-NSR	Black	3/8	730
88-NSR	88NSR-BK	Black	1/2	530
440N-B	440N-B	Blue	1/4	330
440N-R	440N-R	Red	1/4	330

POLY FLO TUBING



Poly-Flo tubing can be used in pneumatic lines, instrumentation systems, and water piping (as well as limited food service—natural-colored tubing only). Constructed with low-density polyethylene, Poly-Flo has dimensional stability, a strong, uniform structure, a high resistance to heat and stress, sunlight, most solvents and chemicals, and attacks by vermin.

- Withstands a temperature from -100°F to 175°F
- Tensile strength: 2,300 PSI
- Elongation: 670%

EDMO#	MFR#	COLOR	PSI	WEIGHT (LB)
TUBE O.D.: 1/4 IN / MIN. BEND RADIUS: 1 IN				
2800004	44P-BK	Black	400	1.10
44PB	44PB	Blue	400	1.10
44PF	PEFR-4-0500	Black	400	1.10
44PGN	44P-GN	Green	400	1.10
44PN	44P-N	Natural	400	1.10
44PO	44P-	Orange	400	1.10
44PR	44P-R	Red	400	1.10
44PY	44PY	Yellow	400	1.10
TUBE O.D.: 5/16 IN / MIN. BEND RADIUS: 1-1/8 IN				
55PN	55P-N	Natural	600	1.9
TUBE O.D.: 3/8 IN / MIN. BEND RADIUS: 1-1/4 IN				
66PB	66PB	Blue	600	2.5
66PN	66P-N	Natural	600	2.5
66PR	66P-R	Red	600	2.5
66PY	66P-Y	Yellow	600	2.5

PITOT STATIC NYLON FITTINGS KIT

EDMO# 307-FP
MFR# 307-SP



The Pitot Static Nylon Fittings Kit contains an array of pitot static fittings for pitot tubing. Each kit consists of a clear, impact-resistant resin case with a series of nylon fittings, plugs, connectors, elbows, and tees. This clear, organized kit makes it easy to view quantities and simplify the reordering/refilling process.

- Kit includes: (50 ea.) 259N04, 0.25-inch nylon insert stabilizer fittings; (20 ea.) 261N04, 0.25-inch nylon nut fittings; (10 ea.) 259P04, 0.25-inch nylon plug; (10 ea.) 262N04, 0.25-inch nylon inline connection; (10 ea.) 264N04, 0.25-inch nylon union tee; (10 ea.) 269N04X02, 0.25 x 0.125-inch nylon male elbow; (10 ea.) 271N04X02, 0.25-inch nylon male run tee; (10 ea.) 268N04X02, 0.25-inch nylon male connector; (5 ea.) 265N04, 0.25-inch nylon union elbow; (5 ea.) 266N04X02, 0.25-inch nylon female connector; (5 ea.) 272N04X02; 0.25-inch nylon male branch tee; (1 ea.) Poly Flo Tube Cutter (307-FP); (1 ea.) K812, compartmentalized, labeled plastic kit

NYLON TUBE FITTINGS

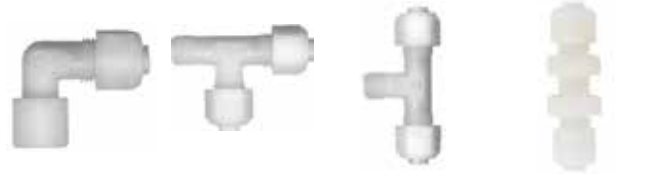
NYLO-Seal nylon tube fittings have excellent resistance to acids, alkalis, dilute mineral acids, most organic acids, petroleum oils and greases, and photographic solutions. These fittings can continuously operate at temperatures of 200°F and intermittently at temperatures as high as 250°F. NYLO-Seal Nylon fittings are excellent for instruments, lubricants, air, hydrocarbon fuel, oil coolants, low-pressure hydraulic lines, laboratory, and chemical applications.



259N04 261N04 262N04 264N04



265N04 266N04X04 268N04X02 269N04X02



270N04X02 271N04X02 272N04X02 282N04

EDMO#	MFR#	TYPE	TUBE O.D. (IN)	LENGTH (IN)
259N04	259N04	Insert	1/4	0.375
259N05	259-N05	Insert	5/16	0.406
259N06	259N06	Insert	3/8	0.500
259N08	259N08	Insert	1/2	0.562
261N04	261-N04	Nut & sleeve	1/4	0.468
261N05	261-N05	Nut & sleeve	5/16	0.515
261N06	261N06	Nut & sleeve	3/8	0.578
262N04	262N04	Nylon inline union	1/4	1.812
262N06	262N06	Nylon inline union	3/8	2.000
264N04	264N04	Union tee	1/4	1.156
264N06	264N06	Union tee	3/8	1.406
264N08	264N08	Union tee	1/2	1.515

EDMO#	MFR#	TYPE	TUBE O.D. (IN)	LENGTH (IN)
265N04	265N04	Union elbow	1/4	1.156
265N06	265N06	Union elbow	3/8	1.406
266N04X02	266N04X02	Female connector	1/4	1.343
266N04X04	266N04X04	Female connector	1/4	1.531
268N04X02	268N04X02	Male connector	1/4	1.406
268N04X04	268N04X04	Male connector	1/4	1.593
268N08X08	268N08X08	Male connector	1/2	2.015
269N04X02	269N04X02	Male elbow	1/4	1.156
269N04X04	269N04X04	Male elbow	1/4	1.156
270N04X02	270N04X02	Female connector	1/4	1.156
271N04X02	271N04X02	Male run tee	1/4	1.156
271N06X04	271N06X04	Male run tee	3/8	1.406
271N06X06	271N06X06	Male run tee	3/8	1.406
271N08X06	271N08X06	Male run tee	1/2	1.515
272N04X02	272N04X02	Male branch tee	1/4	1.156
272N06X04	272N06X04	Male branch tee	3/8	1.406
272N06X06	272N06X06	Male branch tee	3/8	1.406
282N04	282N04	Bulkhead union	1/4	2.312
282N08	282N08	Bulkhead union	1/2	2.781

POLY FLO TUBE CUTTER

EDMO# 307-FP
MFR# 307-SP



Compact, spring-loaded shear for cutting plastic tube, Hytron® thermoplastic tube, and rubber hose, without wire reinforcing, with an outside diameter from 1/16 to 1/2 inch. It has a replaceable, hardened steel blade.

- Weight: 1 oz
- Length: 2-7/8 in

NYLON INSERT FITTINGS

0701-153 0706-015 0711-015



0711-153 0716-015 0716-153

0742-006

Multibarb nylon insert fittings are best used in low-pressure, noncritical applications where hose clamping is not desired. The multiple barbs increase the surface area in contact with the tubing, thus preventing leaks in low pressures with mild solutions. These insert settings are easy to assemble into joining systems for soft tubings like soft rubber hose and polyurethane.

- Used with 1/4-inch hose or tubing.
- Constructed with nylon for use with water or hydrocarbons

EDMO#	MFR#	STYLE	HOSE SIZE
0701-153	0701.153	Inline	1/8 x 1/4 (MIPT x hose size)
0706-015	0706.015	Inline	1/4 x 1/4 (hose x hose)
0711-115	0711.115	Elbow	1/4 x 1/4 (hose x hose)
0711-153	0711-153	Elbow	1/8 x 1/4 (MIPT x hose size)
0716-015	0716.015	Tee	1/4 x 1/4 x 1/4 (hose x hose x hose)
0716-153	0716.153	Tee	1/8 x 1/4 x 1/4 (MIPT x hose size)
0742-006	0742-006	Cross	1/4 (hose)

BRASS FITTINGS

Poly-Flo Flareless Tube Fittings have a plastic sleeve that snaps onto the nut without the need for wrenches or other tools when installed with tubing. Constructed with brass elbows, tees, connectors, unions, and nuts with acetal copolymer sleeves.



261P04 262P04 264P06

266P04X02 268P04X02 269P04X02

271P04X02 272P04X02

EDMO#	MFR#	TYPE	TUBE O.D. (IN)	LENGTH (IN)
259P04	259P04	Plug	1/4	0.500
259P06	259P06	Plug	3/8	0.563
260P-04	260P04	Insert	1/4	0.327
260P-06	260P-06	Insert	3/8	0.354
261P04	261P04	Nut & sleeve	1/4	0.343
261P06	261P06	Nut & sleeve	3/8	0.375
262P04	262P04	Inline	1/4	1.687
262P06	262P06	Inline	3/8	1.812
262PC04	262PC04	Compression union	1/4	1.250
264P04	264P04	Union tee	1/4	0.843
264P06	264P06	Union tee	3/8	0.906
266P02X02	266PX02X02	Female connector	1/8	1.031
266P04X02	266P04X02	Female connector	1/4	0.968
268P04X02	268P04X02	Male connector	1/4	1.031
268P06X02	268P06X02	Male connector	3/8	1.093
268P06X04	268P06X04	Male connector	3/8	1.281
269P04X02	269P04X02	Male elbow	1/4	0.843
269P06X02	269P06X02	Male elbow	3/8	0.875
271P04X02	271P04X02	Male run tee	1/4	0.843
272P04X02	272P04X02	Male branch tee	1/4	0.843
272P06X02	272P06X02	Male branch tee	3/8	0.875
282P04	282P04	Bulkhead union	1/4	1.687
282P06	282P06	Bulkhead union	3/6	1.812

3

AN827 HYDRAULIC ADAPTER FITTING

EDMO# AN827-3D
MFR# AN827-3D



AN827-3D is an aluminum cross fitting with a 37-degree flare that accepts 3/16-inch hoses.

- Aluminum construction
- 37° flared thread
- Fits 3/16 inch hose

KQ2 ONE-TOUCH FITTINGS

KQ2 one-touch, metric, and inch-size fittings are available in a wide variety of sizes, body styles, and thread types. The use of a special profile seal allows the KQ2 to be used for a wide range of pressures, from a low vacuum up to a pressure of 1 MPa. The KQ2 release collar releases both the chuck and collet to provide a low disconnection force for easy removal of the tubing.


E07-00N


F07-34N


H07-00A


L07-00A


P-07


T07-00A


TW07-00A


U07-00A


V07-34NS

EDMO#	MFR#	TYPE	TUBE O.D. (IN)
E07-00N	KQ2E07-00N	Bulkhead Union Connector	1/4
F07-34N	KQ2F07-34N	Female Connector	1/4
H07-00A	KQ2H07-00A	Straight Union Connector	1/4
H07-34NS	KQ2H07-34NS	Male Connector	1/4
L07-00A	KQ2L07-00A	Union Reducer Elbow	1/4
L07-34NS	KQ2L07-34NS	Union Elbow	1/8
P-07	KQ2P-07	Fitting Plug	1/4
T07-00A	KQ2T07-00A	Union Tee	1/4
T07-34NS	KQ2T07-34NS	Branch Tee	1/4
TW07-00A	KQ2TW07-00A	Cross	1/4
U07-00A	KQ2U07-00A	Union Y	1/4
V07-34NS	KQ2V07-34NS	Universal Male Elbow	1/4

NORPRENE TUBING

EDMO# 0023071
MFR# 23.071



Norprene® Chemical Tubing is heat-sealable tubing that is resistant to oxidizing agents, acids, and alkalies, and it doesn't weaken or crack, even after years of prolonged atmospheric ozone exposure. This tubing can be used in temperatures between -60°F and 275°F. Use with insert-type fittings.

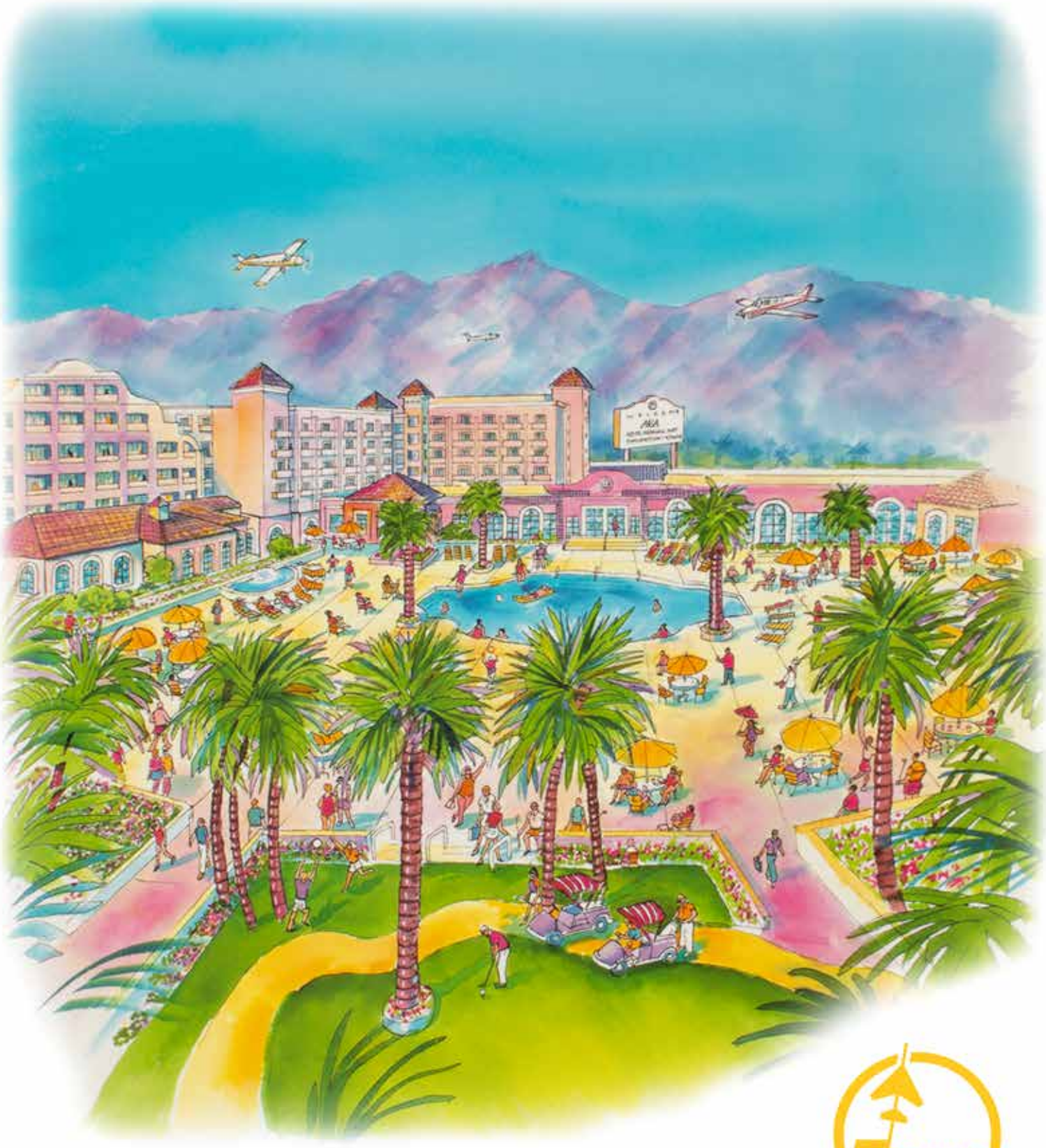
ID / OD:	1/4 in / 3/8 in
Wall (in):	1/16
Working pressure at 70°F:	10 psi
Resistances	Ammonia, bleach, brake fluid, bromine, chlorine, essential oils, ethylene glycol, formaldehyde, hydrochloric acid, hydrogen peroxide, iodine, methanol, nitric acid (10%), plating solutions, soap solutions, sodium hydroxide (to medium concentrations) and sulfuric acid (to medium concentrations)

QUALITY & EXCELLENCE, WHATEVER IT TAKES.
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EDMO

FLASHBACK

Avionics & Instrument Mounting

Cover Plates, Adapter Plates & Clamps 108
Mounting Brackets 110
Mounting Systems 111
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Cooling Fans 123

COVER PLATES, ADAPTER PLATES & CLAMPS

INSTRUMENT HOLE COVER PLATES

Cover plates come in four sizes: 2.25 in, 3.125 in, 3 ATI, and .5 ATI. Finishes include black aluminum with a wrinkle finish, unfinished aluminum, and black plastic (fire-retardant material).



3.125-inch raw aluminum ALT or VSI gauge version



3 ATI black powder coated aluminum



2.25-inch black wrinkle finish

EDMO#	MFR#	FINISH
COVER PLATES FOR 2-1/4 IN DIAMETER INSTRUMENTS		
CP-1AB	FAP 05-1AB	Black aluminum with a wrinkle finish
CP-1AR	FAP 05-1ANP	Unfinished aluminum
CP-1FR	FAP 05-1	Black plastic fire retardant material (per FAR 24.853)
COVER PLATES FOR 3-1/8 IN DIAMETER INSTRUMENTS		
CP-2AB	FAP 05-2AB	Black aluminum with a wrinkle finish
CP-2AR	FAP 05-2ANP	Unfinished aluminum
CP-2FR	FAP 05-2FR	Black plastic fire retardant material (per FAR 24.853)
CP-6FR	FAP 05-4	Black plastic fire retardant material (for altimeters or VSI)
CP-6AR	FAP 05-4 ANP	Unpainted aluminum finish (for altimeters or VSI)
3 ATI COVER PLATES		
ATI-1AB	FAP 05-3AB	Black aluminum with a wrinkle finish
ATI-1AR	FAP05-3ANP	Unfinished aluminum
ATI-1FR	FAP 05-3FR	Black plastic fire retardant material
.5 ATI COVER PLATES		
CP-7FR	FAP05-5FR	Black plastic fire retardant material

RADIO COVER PLATES

After removing unneeded avionics from the panel, these radio cover plates can be clipped into the unused hole left behind—creating a finished, clean look. They are coated with a black crinkle finish to blend in with existing equipment. Although they are available in three sizes, they can easily be cut to odd sizes.



EDMO#	MFR#	COLOR	SIZE
CP-3FR	CP-3FR	Black	6-7/16 x 2 in
CP-4FR	CP-4FR	Black	6-7/16 x 3 in
CP-5FR	CP-5FR	Black	6-7/16 x 5 in

ADAPTER PLATES

The reducer plates work in sets of two to allow a flush mount when reducing hole size to accommodate a new instrument. Made of .080-in thick heat-treated aluminum with a black anodized finish. The ATI hole mounts aid in easy installation of equipment requiring an ATI hole. Simply cut a non-precision hole a little larger than the hole needed, then mount the ATI hole mount to the instrument panel. Available in two of the most popular sizes with a black finish.



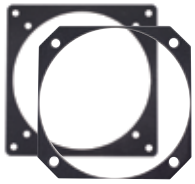
RP-1



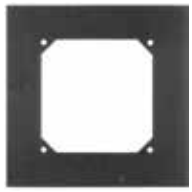
RP-2



RP-AT12



RP-AT13



HM-1



HM-2

EDMO#	MFR#	FITS	DIMENSIONS
RP-1	FAP 04-1	Reducer plate: 3-1/8 to 2-1/4 in	3.5 x 3.5 in
RP-2	FAP 04-2	Reducer plate: AN gyro to 3-1/8 in	4.63 x 4.63 in
RP-ATI2	FAP 04-4	Reducer plate: 3 ATI to 2-1/4 in	3.44 x 3.44 in
RP-ATI3	FAP 04-3	Reducer plate: 3 ATI to 3-1/8 in	3.44 x 3.44 in
HM-1	HM-1	3 ATI hole mount	3-3/16 x 5-3/16 in
HM-2	HM-2	1/2 ATI hole mount	3-3/16 x 5-3/16 in
ACCESSORIES			
RP-SP	FAP 04-5	Flush spacer for RP-1	

HOLE COVERS & REDUCER PLATES

Hole covers and reducer plates are CNC machined with 0.125-inch aircraft-grade 5052 billet aluminum. 0.075-inch depth creates a flush look when installed in the panel.



MK-620



MK-621



MK-623



MK-624

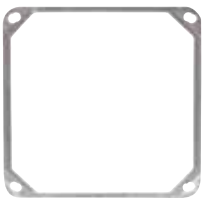


MK-630

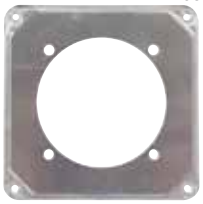


MK-631


MK-632


MK-633


MK-640


MK-641


MK-642

EDMO#	MFR#	ADAPTER USE
MK-620	MK-620	Standard 3-1/8 in hole
MK-621	MK-641	Standard 3-1/8 in hole
MK-623	MK-623	3-1/8 hole to 2-1/4 in hole
MK-624	MK-624	2-1/4 in
MK-630	MK-630	KI 525 hole
MK-631	MK-631	KI 525 hole to std. 2-1/4 in
MK-632	MK-632	KI 525 hole to std. 3-1/8 in
MK-633	MK-633	KI 525 hole to 3 ATI hole
MK-640	MK-640	Standard 3 ATI hole
MK-641	MK-641	3 ATI hole to 2-1/4 in hole
MK-642	MK-642	3 ATI hole to 3-1/8 in hole
ACCESSORIES		
MK-KI-525	MK-KI 525	Mounting kit for KI525 | Includes: 1 mounting ring and 4 black brass screws with nylon washers
MK-10	MK-10	ATI cover Garmin GDU 620 mounting kit | Includes: two 0.125-in mounting wings, 6 black brass screws, nylon washers, 4 installation pins, and instructions

WORM DRIVE HOSE CLAMP

BILD INDUSTRIES
EDMO# QS200-16H
MFR# 200-16H

Perforated stainless steel worm-drive clamp. Heavy-duty four-piece Quadra-Lock construction enables far more tightening torque to be delivered to the band perforations.

- 13/16 to 1-1/2-inch



INSTRUMENT MOUNTING BEZEL

MSP AVIATION
EDMO# MS28055-11
MFR# MS28055-11

Black aluminum instrument bezel.

- Overall dimensions 2.375 x 2.375 in
- 2-inch diameter
- 4-hole mount



AVIONICS CLAMPS & MOORING PLATES

MSP clamps eliminate the need for panel removal when repairing or replacing an instrument like an altimeter or artificial horizon. These patented chem film and anodized finished clamps are rustproof for up to 25 years; made from lightweight, non-conductive aluminum, they make retrofits simpler and faster as well as making the instrument more secure in the panel.


64321B


64311B


64662B-107


64377B-101


MS28042-1A


68010-6

EDMO#	MFR#	DIMENSIONS	FINISH	NOTE
RECTANGULAR				
64321B	64321B	3 x 1.5 x 1 in	Anodized	Certifications Supplied
64303B	64303B	4.975 x 5.022 x 2.5 in	Anodized	--
64481B	64481B	3 x 1.5 x 2 in	Anodized	--
123-3215-C	123-3215-C	3.25 x 1.5 x 1.5 in	Anodized	--
SQUARE				
64311B	64311B	3 x 3 x 2 in	Anodized	Certifications Supplied
64435B-105	64435B-105	3 x 3 x 4 in	Anodized	
64662B-107	64662B-107	3.175 x 3.175 x 4 in	Chem film	Certifications Supplied
64377B-101	64377B-101	4 x 4 x 4 in	--	Certifications Supplied
64311B101C	64311B-101C	3.38 x 3.38 x 2.5 in	Chem film	--
64662B-110	64662B-110	3.18 x 3.18 x 4.25	Chem film	--
64466	64466	3.38 x 3.38 x 2.78 in	Anodized	--
9962B	9962B	2.175 x 2.175 x 1 in	Anodized	Certifications Supplied
9963B	9963B	3.175 x 3.175 x 1 in	Anodized	Certifications Supplied
9963LJ	9963LJ	3 x 3 x 1 in	Anodized	For Lear Jet
03004A3N	123-03004A3N	3 x 3 x 4 in	Anodized	--
123-3232-F	123-3232-F	3.175 x 3.175 x 1.5 in	Anodized	--
1233232HJ	123-3232H-J	3.155 x 3.155 x 4 in	Anodized	--
ROUND				
MS28042-1A	MS28042-1A	2 in dia. x 1 in	Anodized	Certifications Supplied
BACC10EL3	BACC10EL3	1.968 in dia. x 1 in	Anodized	--
64388	161151-1	1.968 in dia. x 1 in	Chem film	Certifications Supplied
64670	64670	2.25 in dia. x 1.5 in	--	--
123-1500-D	123-1500-D	1.5 in dia. x .2 in	Anodized	--
123-1900-D	123-1900-D	2 in dia. x 1.5 in	Anodized	--
MOORING PLATES				
68010-6	68010-6	3 x 3 x 0.25 in	Anodized	--

*continued on next page

EDMO#	MFR#	DIMENSIONS	FINISH	NOTE
SHELF CLAMPS				
64391B103	64391B-103	4 x 4 x 7 in	--	Certifications Supplied
64405B-103	64405B-103	4.975 x 4.975 x 7 in	Anodized	--
64409B-101	64409B-101	3.175 x 3.175 x 7 in	Anodized	--
64409B-103	64409B-103	3.175 x 3.175 x 7 in	Anodized	--
64409B-109	64409B-109	3.175 x 3.175 x 7 in	Anodized	--
64483B-103	64483B-103	5 x 4.5 x 7 in	Anodized	--
64550B-103	64550B-103	4 x 5 x 7 in	Anodized	--

MOUNTING BRACKETS

INSTRUMENT MOUNTING BRACKETS



FSIM-01



FSIM-02



FSIM-03



MK-01



MK-02



MK-03

FSIM SERIES

PMA-approved instrument mounting nut rings. These lightweight brackets are easy to install with self-wrenching, self-locking press nuts. These brackets eliminate the risk of loose hardware behind the panel.

- Retainer material: 6061-T6 aluminum, 0.040 thick
- Retainer finish: Alodine per MIL-DTL-5541
- Pressnut and mounting screw material: stainless steel
- Pressnut finish: cadmium per SAE AMS-QQ-P-416 followed by dry film lube per MIL-PRF-46010
- Mounting screw finish: black oxide

EDMO#	MFR#	SHELL SIZE
FSIM-01	FSIM-01	3.125/6-32
FSIM-01BN	FSIM-01BN	3.125/6-32
FSIM-02	FSIM-02	3.125/6-32
FSIM-03	FSIM-03	2.250/6-32

MOUNTING KITS

These precision-machined kits slide on from the backside of the instrument using the alignment guide pin inserted through a screw hole (they are designed to replace grasshopper nuts). Each kit comes with nylon washers that are less likely to chip the instrument panel and MS35214-32 black brass mounting screws that are long enough to accommodate the thicknesses of light wedges and internally lighted instruments.

The installation alignment guide pin is sold separately (see below). Custom-length screws will work with or without backlighting rings so that additional screws are unnecessary.

EDMO#	MFR#	SIZE	INCLUDES
MK-01	MK-01	3.125-in nut ring	Black brass mounting screws with nylon washers
MK-02	MK-02	3.125-in nut ring with cutout	Black brass mounting screws and nylon washers
MK-03	MK-03	2.25-in nut ring	Black brass mounting screws and nylon washers
MK-3ATI	MK-3ATI	3ATI nut ring	Black brass mounting screws and nylon washers

CONNECTOR MOUNTING BRACKETS

- FSU series nut ring mounting bracket for flange mount connectors.
- Retainer material: 0.040 +/- 0.003 thick 2024-T3 aluminum alloy
- Retainer finish: Alodine
- Nut: Self-locking nut constructed with cadmium-plated steel followed by a solid dry film lubricant. Meets performance requirements of MIL-N-25027 specification.



fastener brackets

EDMO#	MFR#	SHELL SIZE
FSU-6	FSU-6	6/4-40
FSU-8	FSU-8	8/4-40
FSU-10/7	FSU-10/7	7/4-40
FSU-12	FSU-12	12/4-40
FSU-14/19	FSU-14/19	14/4-40
FSU-16/27	FSU-16/27	16/4-40
FSU-18	FSU-10	18/4-40
FSU-20	FSU-20	20/4-40
FSU-22	FSU-22	22/4-40
FSU-23	FSU-23	23/4-40
FSU-24	FSU-24	24/6-32
FSU-25	FSU-25	25/6-32
FSU-28	FSU-28	28/6-32

Call for additional sizes.

GMU44 MAGNETOMETER BRACKETS

The GMU44 magnetometer mount is designed for use with the Garmin G500/G600.

- 6061-T6 aluminum
- Thickness: .040



EDMO#	MFR#	DESCRIPTION
BRACGMU1	BRACGMU1	45 degree mount
BRACGMU2	BRACGMU2	90 degree mount

MOUNTING SYSTEMS

DZUS RAIL & ACCESSORIES

DZUS



Right Angle and Flat Dzus Rails

DZUS Rail receptacle strips act as a supporting frame for the panels or removable parts to be fastened with continuous holes for stud engagement and rivet mounting on 3/8" (9.53 mm) centers. These strips are riveted to a support member, and the stud panel rests against the strip face that has the stud holes. The strips are aluminum alloy with a continuous rigid stainless-steel wire staked across the underside of the stud holes. The fastened panel rests on the strip, and its captive quarter-turn studs engage the rigid wire.

- Strip extrusion is aluminum alloy 6061-T6, and the wire is stainless steel type 316, condition B, with spring temper.

EDMO#	MFR#	LENGTH (FT)
FLAT		
D5-1-1	D5-PR35-1	1
D5-1-2	D5-PR35-1	2
D5-1-3	D5-PR35-1	3
D5-1-4	D5-PR35-1	4
D5-1-5	D5-PR35-1	5
RIGHT ANGLE		
D5-1	D5-PR35	1
D5-2	D5-PR35	2
D5-3	D5-PR35	3
D5-4	D5-PR35	4
D5-5	D5-PR35	5

TA SERIES QUARTER TURN FASTENER TRAY ADAPTERS

The TA Series Tray Adapters convert common size DZUS mount products into 6.25-inch tray mount products. Essentially, the TA Series makes it possible for technicians to flush mount mixed avionics quickly and easily while eliminating variations in instrument height and mount designs create polished, coordinated looking instrument installations.

- Constructed with high-quality CNC-milled aluminum
- Reduces installation and labor time
- Tested to DO-160D vibration and shock standards for equipment < 5 lb



TA03-001



TA07-001

EDMO#	MFR#	HOLES	SIZE	FITS PRODUCT
TA03-001	TA03-001	3	1.16 in	AA12, AA21, AA20/22, AA30
TA04-001	TA04-001	4	1.55 in	AA24, PTA12-100
TA05-001	TA05-001	5	1.92 in	AA95, ACP51, AMS42/44, NPX138N
TA06-001	TA06-001	6	2.30 in	TH250/350
TA07-001	TA07-001	7	2.67 in	N301A, NPX136D, AA25
TA08-001	TA07-001	8	3.05 in	3110, ACP53, AA97

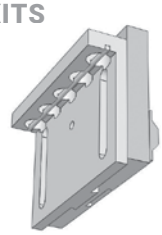
QUARTER TURN FASTENER/ROHS COMPLIANCE



Type 3506-SC stud assemblies consist of a stud and coil spring captive in a steel cup. The assemblies are installed by flaring the end of the cup neck into a countersunk panel hole. Stud locking action compresses the spring, exerting a clamping force on the fastened parts. When locking, the stud spiral cam engages the receptacle's rigid wire. MIL-F-25173A* approved. Constructed with heat-treated carbon steel (stud), tempered music wire (spring), and mild steel (cup) with a zinc trivalent clear finish.

EDMO#	MFR#	PANEL THICKNESS	CUP DIMENSION "B"
3506SC38A-	AA2-038-1930	0.060-0.069 inches	0.080 inches
3506SC44A-	AA2-044-1930	0.120-0.129 inches	0.140 inches

QUARTER TURN FASTENER ADAPTER KITS



Quarter-turn fastener adapter kits allow users to integrate quarter-turn fastener mount avionics into a tray mount stack more easily. These fully adjustable systems provide a hassle-free way to combine these two separate mounting methods with an attractive finish when installed.

- Each adapter consists of three pieces: a rail interface, a spacer (visible portion), and a quarter-turn fastener.

EDMO#	MFR#	SIZE
RK6010-P-1	RK6010-P-1	1.125 in

QUARTER TURN FASTENER TOOL

EDMO# 991635AHT
MFR# 9916-35-AHT-BB



Tool for quick installation of quarter-turn fasteners. Pliers-like handle design.

COUNT ON EDMO TO HAVE EXACTLY WHAT YOU NEED, WHEN YOU NEED IT.

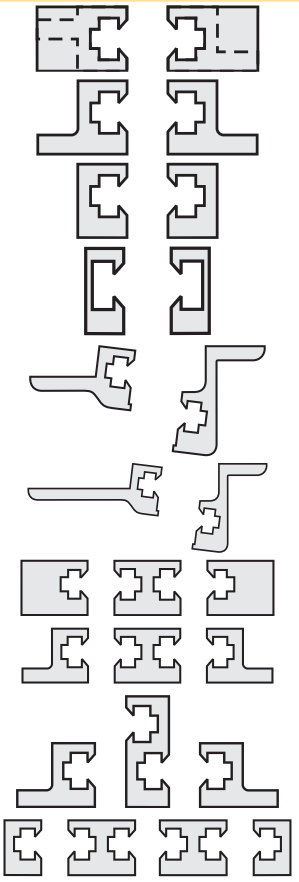
As a class-leading aviation distributor, EDMO keeps pace with the trends of the aerospace industry. We're constantly updating our inventory with our manufacturers' latest products, so there's a good chance we will have what you're looking for. Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.



RADIORAX AVIONICS MOUNTING SYSTEMS

Radiorax mounting systems provide an effective, simple way to install avionics. These mounting systems are strong, STC'd without back-strapping, stable, and they're easy to align. What is more, they make upgrades simple, and they're highly cost-effective.

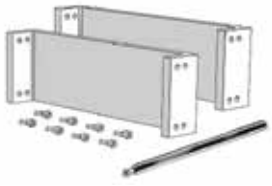
EDMO#	MFR#	USAGE
RK1005	RK1005	Cessna-specific kit, 182/205/206/210/337.
RK1010	RK1010	Single stack, flanged rail tray mount kit.
RK1010-8	RK1010-8	Single stack, flanged rail tray mount kit. (-8 version is an 8-inch kit.)
RK1020	RK1020	Single stack, reduced rail tray mount kit.
RK1027	RK1027	Single stack, minimum rail tray mount kit.
RK1040	RK1040	Single stack, canted rail tray mount kit designed for Beech Baron and other installs.
RK1040A	1040A	Single stack, canted rail tray mount kit designed for Beech Bonanza.
RK2000	RK2000	Dual stack, standard outer and full-dimension center rail tray mount kit.
RK2010	RK2010	Dual stack, flanged outer and full-dimension center rail tray mount system kit.
RK2027	RK2027	Dual stack, minimum outer, and minimum dimension center rail tray mount kit.
RK3020	RK3020	Triple stack, reduced outer and full-dimension center rail tray mount kit.
HARDWARE KIT		
RHK050	RHK050	Includes: 16 RP3000-P retainers, 16 RP3010-P shim washers, 16 RP3020-P three-wave washers, 16 RP3030-P 6-32 nuts, and 16 NAS514P632-4P6-32 countersunk screws.



**Purchase the EDMO# RK400- Installation Spacer Kit for easier installation with Radiorax products.* Call for additional sizes.

RAIL INSTALLATION SPACER KIT

EDMO# RK400
MFR# RK400



The RK400 rail installation spacer kit is the most accurate way to install a Radiorax tray mount rail kit. This kit simplifies alignment and rail spacing—giving users more time to devote to the actual avionics installation. Each kit includes two installation spacers, mounting hardware, a special 7/32-inch cap screw driver adapter, and full documentation.

RAIL CLOSE OUT PANEL

EDMO# RK4000-12
MFR# RK4000-12



Radiorax close out panels provide a simple and attractive method for completing an avionics stack. Slotted mounting flanges will securely hold into both Radiorax and non-Radiorax avionics installations, regardless of panel thickness or rail type used. Sold in 12-inch lengths, closeout panels can easily be cut using a die grinder or band saw. Constructed of 0.90 aluminum, these panels offer a perfect location for auxiliary switches, circuit breakers, or panel instruments.

DZUS ADAPTER KIT

EDMO# RK6000-1C
MFR# RK6000-1C



The RK6000-1C is a 1.125-inch Dzus adapter kit for a Radiorax tray mount installation. Radiorax Dzus Adapters incorporate a fully adjustable, integrated spacer to center the Dzus-mounted equipment in the tray mount stack.
Each adapter is constructed of three pieces: a rail interface, a spacer (visible portion), and a Dzus rail. This gives installers the option to easily install Dzus equipment into any tray stack.

- FAA/PMA & STC certified

HARDWARE

SCREWS

TRUSS HEAD, SELF TAPPING/STAINLESS STEEL

Self-tapping truss head screw. Stainless steel construction.



EDMO#	MFR#	STYLE	LENGTH (IN)
4RX1/4THA	4RX1/4THA	4R	1/4
S4R.25TA	4RX1/4THASS	4R	1/4
4RX3/8THA	4RX3/8THASS	4R	3/8
4RX1/2THA	4RX1/2THA	4R	1/2
6RX3/8THA	6RX3/8THASS	6R	3/8
6RX1/2THA	6RX1/2THASS	6R	1/2
6RX1/2THB	6RX1/2THB	6R	1/2
6RX1/2FHB	6RX1/2FHB	6R	1/2
6RX5/8TH	6RX5/8THBSS	6R	5/8
8RX3/8THA	8RX3/8THA	8R	3/8
8RX1/2THA	8RX1/2THA	8R	1/2
8RX1/2THB	8RX1/2THBSS	8R	1/2
8RX1/2FHB	8RX1/2FHB	8R	1/2
8RX5/8THA	8RX5/8THA	8R	5/8
10RX1/2THA	10RX1/2THA	10R	1/2
10RX1/2THB	10RX1/2THB	10R	1/2
10RX3/4THA	10RX3/4THASS	10R	3/4
10RX1THASS	10RX1THASS	10R	1

Call for additional sizes.

PHILLIPS TRUSS HEAD SCREW/STAINLESS STEEL

Phillips truss head screws. 300 series stainless steel construction with a passivated finish.



EDMO#	MFR#	THREAD	LENGTH (IN)
526C440R4	AN526C440R4	4-40	1/4
526C440R6	AN526C440R6	4-40	3/8
526C632R4	AN526C632R4	6-32	1/4
526C632R5	AN526C632R5	6-32	5/16
526C632R6	AN526C632R6	6-32	3/8
526C632R7	AN526C632R7	6-32	7/16
526C632R8	AN526C632R8	6-32	1/2
526C632R10	526C632R10	6-32	5/8
526C632R12	AN526C632R12	6-32	3/4
526C632R16	AN526C632R16	6-32	1
526C832R4	AN526C832R4	8-32	1/4
526C832R6	AN526C832R6	8-32	3/8
526C832R7	AN526C832R7	8-32	7/16
526C832R8	AN526C832R8	8-32	1/2
526C832R10	AN526C832R10	8-32	5/8
526C832R12	526C832R12	8-32	3/4
526C832R14	AN526C832R14	8-32	7/16
526C832R16	AN526C832R16	8-32	1
526C1032R4	AN526C1032R4	10-32	1/4
526C1032R6	AN526C1032R6	10-32	3/8
526C1032R7	AN526C1032R7	10-32	7/16
526C1032R8	AN526C1032R8	10-32	1/2
526C1032R9	AN526C1032R9	10-32	9/16
526C103210	AN526C1032R10	10-32	5/8
526C103212	AN526C1032R12	10-32	3/4
526C103216	AN526C1032R16	10-32	1
526C103224	AN526C1032R24	10-32	1-1/2

Call for additional sizes.

PHILLIPS TRUSS HEAD SCREW/CARBON STEEL

Phillips truss head screws. Carbon steel construction per FED-STD-66. Cadmium finish per QQ-P-416, Type I.



EDMO#	MFR#	THREAD	LENGTH (IN)
526440R8	AN526-440R8	4-40	1/2
526632R6	AN526-632R6	6-32	3/8
526632R10	AN526-632R10	6-32	5/8
526-632R12	AN526-632R12	6-32	3/4
526-632R16	AN526-632R16	6-32	1
526832R6	AN526-832R6	8-32	3/8
526832R8	AN526-832R8	8-32	1/2
526832R10	AN526-832R10	8-32	5/8
526832R12	AN526-832R12	8-32	3/4
526-832R16	AN526-832R16	8-32	1v
5261032R8	AN526-1032R8	10-32	1/2
5261032R10	AN526-1032R10	10-32	5/8
5261032R12	AN526-1032R12	10-32	3/4
5261032R14	AN526-1032R14	10-32	7/8

Call for additional sizes.

PHILLIPS PAN HEAD SCREW/CARBON STEEL

Phillips pan head screws. Carbon steel construction with a cadmium finish per QQ-P-416, Type I.



EDMO#	MFR#	THREAD	LENGTH (IN)
35206213	MS35206-213	4-40	1/4
35206214	MS35206-214	4-40	5/16
35206215	MS35206-215	4-40	3/8
35206217	MS35206-217	4-40	1/2
35206218	MS35206-218	4-40	5/8
35206219	MS35206-219	4-40	3/4
35206221	MS35206-221	4-40	1
35206225	MS35206-225	6-32	3/16
35206226	MS35206-226	6-32	1/4
35206-227	MS35206-227	6-32	5/16
35206228	MS35206-228	6-32	3/8
35206230	MS35206-230	6-32	1/2
35206231	MS35206-231	6-32	5/8
35206232	MS35206-232	6-32	3/4
35206233	MS35206-233	6-32	7/8
35206234	MS35206-234	6-32	1
35206235	MS35206-235	6-32	1-1/4
35206236	MS35206-236	6-32	1-1/2
35206238	MS35206-238	6-32	2
35206241	MS35206-241	8-32	1/4
MS35206242	MS35206242	8-32	5/16
35206243	MS35206-243	8-32	3/8
35206245	MS35206-245	8-32	1/2

*continued on next page

EDMO#	MFR#	THREAD	LENGTH (IN)
35206246	MS35206-246	8-32	5/8
35206247	MS35206-247	8-32	3/4
35206248	MS35206-248	8-32	7/8
35206249	MS35206-249	8-32	1
35206250	MS35206-250	8-32	1-1/4
35206251	MS35206-251	8-32	1-1/2
35206253	MS35206-253	8-32	2
35206-244	MS35206-244	8-32	7/16
35206-263	MS35206-263	10-24	1/2
35207270	MS35207-270	10-32	3/4
35207261	MS35207-261	10-32	3/8
35207263	MS35207-263	10-32	1/2
35207264	MS35207-264	10-32	5/8
35207265	MS35207-265	10-32	3/4
35207266	MS35207-266	10-32	7/8
35207267	MS35207-267	10-32	1

Call for additional sizes.

PHILLIPS PAN HEAD SCREW/STAINLESS STEEL

Phillips pan head screws. 300 series stainless steel construction with a passivated finish per ASTM A380.



EDMO#	MFR#	THREAD	LENGTH (IN)
MS51957-2	MS51957-2	2-56	3/16
MS51957-3	MS51957-3	2-56	1/4
51957-4	MS51957-4	2-56	5/16
MS51957-10	MS51957-10	2-56	3/4
5195713	MS51957-13	4-40	1/4
5195715	MS51957-15	4-40	3/8
5195717	MS51957-17	4-40	1/2
5195719	MS51957-19	4-40	3/4
5195720	MS51957-20	4-40	7/8
5195721	MS51957-21	4-40	1
5195725	MS51957-25	6-32	3/16
5195726	MS51957-26	6-32	1/4
5195727	MS51957-27	6-32	5/16
5195728	MS51957-28	6-32	3/8
51957-29	MS51957-29	6-32	7/16
5195730	MS51957-30	6-32	1/2
5195732	MS51957-32	6-32	3/4
51957-33	MS51957-33	6-32	7/8
5195734	MS51957-34	6-32	1
5195741	MS51957-41	8-32	1/4
5195745	MS51957-45	8-32	1/2
5195747	MS51957-47	8-32	3/4
5195749	MS51957-49	8-32	1
MS51957-42	MS51957-42	8-32	5/16
MS51957-43	MS51957-43	8-32	3/8
MS51957-79	MS51957-79	1/4-20	1/2
51958-67	MS51958-67	10-32	1
51958-68	MS51958-68	10-32	1-1/4
51958-69	MS51958-69	10-32	1-1/2
51958-71	51958-71	10-32	2

Call for additional sizes.

PHILLIPS PAN HEAD SCREW/ALLOY STEEL

Phillips pan head screws. Alloy steel construction (tensile strength: 160,000 – 180,000 PS). Cadmium or black chromate finish per QQ-P-416.



EDMO#	MFR#	THREAD	LENGTH (IN)
MS27039 SERIES			
2703908-07	MS27039-08-07	8-32	15/32
2703908-09	MS27039-08-09	8-32	19/32
2703908-12	MS27039-08-12	8-32	3/4
2703908-16	MS27039-08-16	8-32	1
27039-1-06	MS27039-1-06	10-32	13/32
27039-1-07	MS27039-1-07	10-32	15/32
27039-1-09	MS27039-1-09	10-32	19/32
27039-1-10	MS27039-1-10	10-32	21/32
27039-1-12	MS27039-1-12	10-32	25/32
TYPE I, CLASS II			
NAS600-6	NAS600-6	4-40	3/8
NAS602-4	NAS602-4	8-32	1/4
NAS602-5	NAS602-5	8-32	5/16
NAS602-6	NAS602-6	8-32	3/8
NAS602-8	NAS602-8	8-32	1/2
TYPE II, CLASS II			
NAS600-8P	NAS600-8P	4-40	1/2
NAS601-12P	NAS601-12P	6-32	3/4
NAS601-24P	NAS601-24P	6-32	1-1/2
NAS601-4P	NAS601-4P	6-32	1/4
NAS601-5P	NAS601-5P	6-32	5/16
NAS601-6P	NAS601-6P	6-32	3/8
NAS603-6P	NAS603-6P	10-32	3/8
TYPE II, CLASS III			
NAS601-8B	NAS601-8B	6-32	1/2
NAS602-4P	NAS602-4P	8-32	1/4
NAS602-8P	NAS602-8P	8-32	1/2

Call for additional sizes.

PHILLIPS PAN HEAD SCREW/BLACK BRASS

Phillips pan head screws. Brass construction with a black oxide finish and an A15 finish.



EDMO#	MFR#	THREAD	LENGTH (IN)
3521412	MS35214-12	4-40	1/4
3521414	MS35214-14	4-40	3/8
3521416	MS35214-16	4-40	1/2
3521418	MS35214-18	4-40	3/4
MS35214-13	MS35214-13	4-40	5/16
MS35214-15	MS35214-15	4-40	7/16
MS35214-23	MS35214-23	6-32	1/4
3521427	MS35214-27	6-32	1/2
3521429	MS35214-29	6-32	3/4
3521431	MS35214-31	6-32	1
3521433	MS35214-33	6-32	1-1/2
MS35214-25	MS35214-25	6-32	3/8
MS35214-26	MS35214-26	6-32	7/16
MS35214-28	MS35214-28	6-32	5/8
MS35214-30	MS35214-30	6-32	7/8
MS35214-32	MS35214-32	6-32	1-1/4
MS35214-40	MS35214-40	8-32	3/8
3521442	MS35214-42	8-32	1/2
3521446	MS35214-46	8-32	1
3521448	MS35214-48	8-32	1-1/2
MS35214-44	MS35214-44	8-32	3/4
MS35214-45	MS35214-45	8-32	7/8
35215-53	MS35215-53	10-32	3/8
3521555	MS35215-55	10-32	1/2

Call for additional sizes.

EDMO#	MFR#	THREAD	LENGTH (IN)
MS3521558	MS35215-58	10-32	7/8
MS35215-59	MS35215-59	10-32	1
3521560	MS35215-60	10-32	1-1/4
MS35214-59	MS35214-59	10-32	1
MS35215-57	MS35215-57	10-32	3/4
MS3521558	MS35215-58	10-32	7/8

Call for additional sizes.

PHILLIPS FLAT HEAD SCREW/CARBON STEEL

100-degree flathead screws constructed with carbon steel per FED-STD-66 with a cadmium finish per QQ-P-416.



EDMO#	MFR#	THREAD	LENGTH (IN)
TYPE I			
24693S2	24693S2	4-40	1/4
MS24693S8	MS24693S8	4-40	3/8
MS24693S24	MS24693S24	6-32	1/4
MS24693S25	MS24693S25	6-32	5/16
MS24693S26	MS24693S26	6-32	3/8
MS24693S28	MS24693S28	6-32	1/2
MS24693S30	MS24693S30	6-32	3/4
MS24693S32	MS24693S32	6-32	1
MS24693S50	MS24693S50	8-32	1/2
MS24693S52	MS24693S52	8-32	3/4
MS24693S53	MS24693S53	8-32	7/8
24693S272	MS24693S272	10-32	1/2
24693S273	MS24693S273	10-32	5/8
TYPE II			
MS24693S1	MS24693S1	4-40	3/16
24693-S3	MS24693S3	4-40	5/16
24693-S4	MS24693S4	4-40	3/8
MS24693-S5	MS24693-S5	4-40	7/16
24693-S6	MS24693S6	4-40	1/2
24693-S27	MS24693S27	6-32	7/16
24693-S29	24693-S29	6-32	5/8
24693S36	MS24693S36	6-32	1-1/2
MS24693S48	MS24693S48	8/32	3/8
24693-S54	MS24693-S54	8-32	1
24693S268	MS24693S268	10-32	1/4
24693S270	MS24693S270	10/32	3/8
24693-S274	MS24693S274	10-32	3/4
24693-S275	MS24693S275	10-32	7/8
24693-S276	MS24693S276	10-32	1

Call for additional sizes.

PHILLIPS FLAT HEAD SCREW/STAINLESS STEEL

100-degree Phillips flathead screws with 300-series stainless steel construction. Passivated finish per ASTM A380.



EDMO#	MFR#	THREAD	LENGTH (IN)
24693C10	MS24693C10	4-40	1
24693C2	MS24693C2	4-40	1/4
24693C3	MS24693C3	4-40	5/16
24693C4	MS24693C4	4-40	3/8
24693C6	MS24693C6	4-40	1/2

Call for additional sizes.

EDMO#	MFR#	THREAD	LENGTH (IN)
24693C7	MS24693C7	4-40	5/8
24693C8	MS24693C8	4-40	3/4
24693C9	MS24693C9	4-40	7/8
24693C24	MS24693C24	6-32	1/4
24693C25	MS24693C25	6-32	5/16
24693C26	MS24693C26	6-32	3/8
24693C27	MS24693C27	6-32	7/16
24693C28	MS24693C28	6-32	1/2
24693C29	MS24693C29	6-32	5/8
24693C30	MS24693C30	6-32	3/4
24693C31	24693C31	6-32	7/8
24693C32	MS24693C32	6-32	1
24693C34	MS2469C34	6-32	1-1/4
24693C36	MS24693C36	6-32	1-1/2
24693C46	MS24693C46	8-32	1/4
24693C48	MS24693C48	8-32	3/8
24693C49	MS24693C49	8-32	7/16
24693C50	MS24693C50	8-32	1/2
24693C51	MS24693C51	8-32	5/8
24693C52	MS24693C52	8-32	3/4
24693C53	24693C53	8-32	7/8
24693C54	MS24693C54	8-32	1
24693C56	MS24693C56	8-32	1-1/4
24693C58	MS24693c58	8-32	1-1/2
24693C270	MS24693C270	10-32	3/8
24693C272	MS24693C272	10-32	1/2
24693C273	MS24693C273	10-32	5/8
24693C274	24693C274	10-32	3/4
24693C275	MS2469C275	10-32	7/8
24693C276	MS24693C276	10-32	1
24693C278	MS24693C278	10-32	1-1/4
24693C280	MS24693C280	10-32	1-1/2
24693C282	24693C282	10-32	1-3/4

Call for additional sizes.

PHILLIPS FLAT HEAD SCREW/ BLACK BRASS

Countersunk 100-degree Phillips flathead screws. Brass construction with a black oxide finish.



EDMO#	MFR#	THREAD	LENGTH (IN)
24693BB2	MS24693BB2	4-40	1/4
24693BB3	MS24693BB3	4-40	5/16
24693BB4	MS24693BB4	4-40	3/8
24693BB5	MS24693BB5	4-40	7/16
24693BB6	MS24693BB6	4-40	1/2
24693BB7	MS24693BB7	4-40	5/8
24693BB8	MS24693BB8	4-40	3/4
24693BB24	MS24693BB24	6-32	1/4
24693BB26	MS24693BB26	6-32	3/8
24693BB27	MS24693BB27	6-32	7/16
24693BB28	MS24693BB28	6-32	1/2
24693BB29	MS24693BB29	6-32	5/8
24693BB30	MS24693BB30	6-32	3/4
24693BB31	MS24693BB31	6-32	7/8
24693BB32	MS24693BB32	6-32	1
24693BB34	MS24693BB34	6-32	1-1/4
24693BB36	MS24693BB36	6-32	1-1/2
24693BB40	MS24693BB40	6-32	2
24693BB48	MS24693BB48	8-32	3/8

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EDMO#	MFR#	THREAD	LENGTH (IN)
24693BB50	MS24693BB50	8-32	1/2
24693BB51	MS24693BB51	8-32	5/8
24693BB52	MS24693BB52	8-32	3/4
24693BB54	MS24693BB54	8-32	1
24693BB56	MS24693BB56	8-32	1-1/4
24693BB58	MS24693BB58	8-32	1-1/2
24693BB272	MS24693BB272	10-32	1/2
24693BB274	MS24693BB274	10-32	3/4
24693BB276	MS24693BB276	10-32	1
24693BB278	MS24693BB278	10-32	1-1/4

Call for additional sizes.

PHILLIPS COUNTERSUNK SCREW/STAINLESS STEEL

100-degree Phillips flathead screws with stainless steel construction.



EDMO#	MFR#	THREAD	LENGTH (IN)
MS24694C5	MS24694C5	8-32	1/2
MS24694C7	MS24694C7	8-32	5/8
MS24694C11	MS24694C11	8-32	7/8

Call for additional sizes.

PHILLIPS COUNTERSUNK SCREW/CARBON STEEL

100-degree Phillips flathead screws with carbon steel construction. Cadmium finish per QQ-P-416, Type II, Class 3.



EDMO#	MFR#	THREAD	LENGTH (IN)
MS24694S3	MS24694S3	8-32	13/32
MS24694S5	MS24694S5	8-32	17/32
MS24694S50	MS24694S50	10-32	17/32
MS24694S52	MS24694S52	10-32	5/8
MS24694S62	MS24694-S62	10-32	1-9/32

Call for additional sizes.

PHILLIPS FLAT HEAD SCREW/STAINLESS STEEL

82-degree Phillips flathead screws constructed with stainless steel per QQ-P-35.



EDMO#	MFR#	THREAD	LENGTH (IN)
51959-3	MS51959-3	2-56	1/4
51959-15	MS51959-15	4-40	3/8

Call for additional sizes.

FILLISTER HEAD SCREW/ CARBON STEEL

Slotted fillister head screws with carbon steel construction. Cadmium finish per QQ-P-416, Type II, Class 3. AN500 (coarse thread) and AN501 (fine thread) series screws.



EDMO#	MFR#	THREAD	LENGTH (IN)
MS35266-63	MS35266-63	10-32	1/2
35275-208	MS35275-208	2-56	5/8

Call for additional sizes.

FILLISTER HEAD SCREW/ STEEL

Drilled and slotted fillister head screws with steel construction. Cadmium finish per QQ-P-416, Type II, Class 3. AN502 series screws.



EDMO#	MFR#	THREAD	LENGTH (IN)
AN502-10-8	AN502-10-8	10-32	1/2

Call for additional sizes.

PHILLIPS COUNTERSUNK SCREW/ALLOY STEEL

Phillips pan head screws. Alloy steel construction with a cadmium finish per QQ-P-416. Tensile strength is 125,000–145,000 PS.



EDMO#	MFR#	THREAD	LENGTH (IN)
514P440-4P	NAS514P440-4P	4-40	1/4
514P632-4	NAS514P632-4	6-32	1/4
514P632-5P	514P632-5P	6-32	5/16
514P632-6	NAS514P632-6	6-32	3/8
514P632-6P	NAS514P632-6P	6-32	3/8
514P632-8P	MAS514P632-8P	6-32	1/2
514P632-9	NAS514P632-9	6-32	9/16
514P832-8P	NAS514P832-8P	8-32	1/2
514P83212P	NAS514P832-12P	8-32	3/4

Call for additional sizes.

PHILLIPS WASHER HEAD SCREW/ALLOY STEEL

Phillips washer head screws. Alloy steel construction per MIL-S-6050. Cadmium finish per QQ-P-416, Type I, Class C.



EDMO#	MFR#	THREAD	LENGTH (IN)
525832R6	AN525-832R6	8-32	3/8
525-832R7	AN525-832R7	8-32	7/16
525832R8	AN525-832R8	8-32	1/2
525-832R9	AN525-832R9	8-32	9/16
525832R10	AN525-832R10	8-32	5/8
52510R6	AN525-10R6	10-32	3/8
AN525-10R7	AN525-10R7	10-32	7/16
52510R8	AN525-10R8	10-32	1/2
AN525-10R9	AN525-10R9	10-32	9/16
52510R10	AN525-10R10	10-32	5/8
AN52510R11	AN525-10R11	10-32	11/16
525-10R20	AN525-10R20	10-32	1-1/4

Call for additional sizes.

PHILLIPS HEXAGON HEAD SCREW/ALLOY STEEL

Phillips hexagon head screws. Alloy steel construction per MIL-S-5000 and MIL-S-6049. Cadmium finish per QQ-P-416, Type II, Class 2.



EDMO#	MFR#	THREAD	LENGTH (IN)
1801-08-8	NAS1801-08-8	8-32	1/2

Call for additional sizes.

PHILLIPS SELF TAPPING SCREW/ STEEL



Phillips countersunk self-tapping screws. Steel construction with cadmium finish.

EDMO#	MFR#	SCREW SIZE	LENGTH (IN)
NAS548P8-8	NAS548-P8-8	#8	1/2

Call for additional sizes.

WASHERS

STAINLESS STEEL FLAT WASHERS



Flat, stainless steel washers with a passivated finish.

EDMO#	MFR#	BOLT SIZE	THICKNESS (IN)
1149CN432R	NAS1149CN432R	#4	0.032
1149CN616R	NAS1149CN616R	#6	0.016
1149CN632R	1149CN632R	#6	0.032
1149CN816R	NAS1149CN816R	#8	0.016
1149CN832R	NAS1149CN832R	#8	0.032
1149C0332R	MS1149C0332R	#10	0.032
1149C0363R	NAS1149C0363R	#10	0.063
1149C0463R	NAS1149C0463R	1/4	0.063
1149C0632R	NAS1149C0632R	3/8	0.032

Call for additional sizes.

STAINLESS STEEL AIRCRAFT WASHERS



Stainless steel aircraft washers with cadmium plating.

EDMO#	MFR#	BOLT SIZE	THICKNESS (IN)
AN960-2	AN960-2	#2	0.032
AN960-3	AN960-3	#3	0.032
AN960-4L	AN960-4L	#4	0.016
AN960-6L	AN960-6L	#6	0.016
AN960-416L	AN960-416L	1/4	0.032
AN960-516L	AN960-516L	5/16	0.032
AN960-616L	AN960-616L	3/8	0.032
AN960-716	AN960-716	7/16	0.063
AN960-816	AN960-816	1/2	0.063

Call for additional sizes.

CARBON STEEL AIRCRAFT WASHERS



Carbon steel aircraft washers with cadmium plating.

EDMO#	MFR#	BOLT SIZE	THICKNESS (IN)
1149FN432P	NAS1149FN432P	#4	0.032
1149FN542P	NAS1149FN542P	#5	0.042
1149FN616P	NAS1149FN616P	#6	0.016
1149FN632P	NAS1149FN632P	#6	0.032
1149FN816P	NAS1149FN816P	#8	0.016
1149FN832P	NAS1149FN832P	#8	0.032
1149F0332P	NAS1149F0332P	#10	0.032
1149F0363P	NAS1149F0363P	3/16	0.063
1149F0463P	NAS1149F0463P	1/4	0.063
1149F0563P	NAS1149F0563P	5/16	0.063
1149F0663P	NAS1149F0663P	3/8	0.063

Call for additional sizes.

CARBON STEEL AIRCRAFT WASHERS

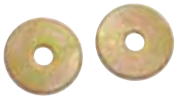


Carbon steel aircraft washers with cadmium finish per QQ-P-416, Type II, Class 3. MS27183 series washer.

EDMO#	MFR#	BOLT SIZE	THICKNESS (IN)
MS27183-5	MS27183-5	#6	0.035

Call for additional sizes.

CARBON STEEL AIRCRAFT WASHERS



Carbon steel aircraft washers with cadmium plating.

EDMO#	MFR#	BOLT SIZE	THICKNESS (IN)
AN9703	AN970-3	#10	0.063
AN9704	AN970-4	1/4	0.063
AN9708	AN9708	1/2	0.109

Call for additional sizes.

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SPLIT STEEL LOCK WASHERS



Split lock washer in carbon steel with cadmium plating.

EDMO#	MFR#	BOLT SIZE	THICKNESS (IN)
3533840	3533840	#4	0.025
3533841	MS3533841	#6	0.031
3533842	MS35338-42	#8	0.040
3533843	MS35338-43	#10	0.047
3533844	MS35338-44	1/4	0.063
35338-136	MS35338-136	#6	0.037
35338-137	MS35338-137	#8	0.040
35338-138	MS35338-138	#10	0.047

Call for additional sizes.

STEEL LOCK WASHERS



Internal tooth steel lock washers with cadmium plating per QQ-P-416 Type II.

EDMO#	MFR#	BOLT SIZE	THICKNESS (IN)
3533335	MS35333-35	#2	0.017
3533336	MS35333-36	#4	0.019
3533337	MS35333-37	#6	0.021
3533338	MS35333-38	#8	0.023
3533339	MS35333-39	#10	0.025
3533340	MS35333-40	1/4	0.028
3533341	MS35333-41	5/16	0.034
3533342	MS35333-42	3/8	0.040

Call for additional sizes.

NYLON AIRCRAFT FLAT WASHERS

Nylon aircraft flat washers made from plastic polyamide and come in natural color.

EDMO#	MFR#	BOLT SIZE	THICKNESS (IN)
NAS1515H3L	NAS1515H3L	#10	0.031

Call for additional sizes.

NUTS & NUT PLATES

CASTELLATED HEXAGON NUT



Steel castellated hexagon nut. Cadmium type II finish per QQ-P-416. AN310 series nut.

EDMO#	MFR#	THREAD SIZE
AN310-3	AN310-3	10-32
AN310-4	AN310-4	1/4-28
AN310-5	AN310-5	5/16-24

Call for additional sizes.

HEXAGON MACHINE NUT



Machine-threaded hexagon nut. Made from carbon steel with cadmium finishing per AMSQQ-P-416 Type II, Class 2.

EDMO#	MFR#	THREAD SIZE
35649202	MS35649-202	10-24

Call for additional sizes.

EDMO#	MFR#	THREAD SIZE
MS35649222	MS35649-222	2-56
35649262	MS35649-262	6-32
35649264	MS35649-264	6-32
35649265T	MS35649-265T	6-32
35649282	MS35649-282	8-32
356492252	MS35649-2252	1/4-20

Call for additional sizes.

HEXAGON NUT



Steel right-hand thread hexagon nut. Cadmium type II finish per QQ-P-416. AN315 series nut.

EDMO#	MFR#	THREAD SIZE
AN315-3R	AN315-3R	10-32
AN315-640R	AN315-640R	6-40

Call for additional sizes.

CASTELLATED HEXAGON NUT



Steel castellated hexagon nut. Cadmium type II finish per QQ-P-416. AN320 series nut.

EDMO#	MFR#	THREAD SIZE
AN320-5	AN320-5	5/16-24
AN320-6	AN320-6	3/8-24

Call for additional sizes.

SELF-LOCKING HEXAGON NUT



Hexagonal self-locking nuts with nylon inserts. Carbon steel nuts with cadmium type II finish per QQ-P-416.

EDMO#	MFR#	THREAD SIZE
AN365-720A	AN365-720A	7/16-20

Call for additional sizes.

THIN SELF-LOCKING HEXAGON NUT



Thin hexagonal self-locking nuts with nylon inserts. Carbon steel nuts with cadmium type II finish per QQ-P-416. MS20364 series nut.

EDMO#	MFR#	THREAD SIZE
20364-832C	MS20364-832C	8-32
203641032C	MS20364-1032C	10-32

Call for additional sizes.

SELF-LOCKING HEXAGON NUT



Hexagonal self-locking nuts with nylon inserts. Corrosion-resistant stainless steel with cadmium type II finish per QQ-P-416. MS21083 series nut.

EDMO#	MFR#	THREAD SIZE
MS21083N03	MS21083N03	10-32
21083N04	MS21083N04	4-40
21083N06	MS21083N06	6-32
21083N08	MS21083N08	8-32
21083N3	MS21083N3	10-32

Call for additional sizes.

SELF-LOCKING HEXAGON NUT

Hexagonal self-locking nuts with nylon inserts. Carbon steel nuts with cadmium type II finish per QQ-P-416. MS21044 series nut.



EDMO#	MFR#	THREAD SIZE
21044N04	MS21044N04	4-40
21044N06	MS21044N06	6-32
21044N08	MS21044N08	8-32
21044N3	MS21044N3	10-32
21044N4	MS21044N4	1/4-28
21044N5	MS21044N5	5/16-24
21044N6	21044N6	3/8-24

Call for additional sizes.

SELF-LOCKING HEXAGON NUT

The hexagonal self-locking nut contains a nylon insert. Made from brass with cadmium type II finish per QQ-P-416. MS21044 series nut.



EDMO#	MFR#	THREAD SIZE
21044B06	MS21044B06	6-32

Call for additional sizes.

SELF-LOCKING HEXAGON NUT

Hexagonal self-locking nuts with nylon inserts. Corrosion resistant steel QQ-P-35 finish. MS21044 series nut.



EDMO#	MFR#	THREAD SIZE
MS21044C06	MS21044C06	6-32
MS21044C08	MS21044C08	8-32
MS21044C3	MS21044C3	10-32

Call for additional sizes.

SELF-LOCKING HEXAGON NUT

Carbon steel hexagonal self-locking nuts. Cadmium type II finish per QQ-P-416. MS21045 series nut.



EDMO#	MFR#	THREAD SIZE
MS21045-04	MS21045-04	4-40
MS21045-06	MS21045-06	6-32
MS2104506S	MS21045-06S	6-32
MS21045-3	MS21045-3	10-32
MS21045-4	MS21045-4	1/4-28

Call for additional sizes.

SELF-LOCKING EXTENDED WASHER NUT

Extended washer self-locking nuts. Steel construction with a cadmium finish per QQ-P-416. MS21042 series nut.



EDMO#	MFR#	THREAD SIZE
MS21042-02	MS21042-02	2-56
2104204	MS21042-04	4-40
2104206	MS21042-06	6-32
2104208	MS21042-08	8-32
210423	MS21042-3	10-32

Call for additional sizes.

SELF-LOCKING EXTENDED WASHER NUT

Extended washer self-locking nut with a cadmium and chromate type II finish per QQ-P-416 and dry film lubricant. MS21042 series nut.



EDMO#	MFR#	THREAD SIZE
21042L04	MS21042-L04	4-40
21042L06	MS21042L06	6-32
MS21042L08	MS21042L08	8-32
21042L3	MS21042L3	10-32
21042L4	MS21042L4	1/4-28
21042L5	MS21042L5	5/16-24

Call for additional sizes.

SELF-LOCKING EXTENDED WASHER NUT

Extended washer self-locking nuts. Steel construction with a silver-plated finish per QQ-S-365. MS21043 series nut.



EDMO#	MFR#	THREAD SIZE
21043-08	MS21043-08	8-32

Call for additional sizes.

SELF-LOCKING CASTELLATED HEXAGON NUT

Self-locking castellated hexagon nuts. Alloyed steel construction with a cadmium type II finish per QQ-P-416. MS17825 series nut.



EDMO#	MFR#	THREAD SIZE
MS17825-4	MS17825-4	1/4-28

Call for additional sizes.

SELF-LOCKING NUT PLATE

Carbon steel two-lug self-locking nut plates with standard rivet spacing. Cadmium type II finish per QQ-P-416 and dry film lubricant. MS21047 series nut.



EDMO#	MFR#	THREAD SIZE
MS21047L04	MS21047L04	4-40
21047L06	MS21047L06	6-32
21047L08	MS21047L08	8-32

Call for additional sizes.

SELF-LOCKING CORNER NUT PLATE

Carbon steel two-lug self-locking corner-nut plates with standard rivet spacing. Cadmium type II finish per QQ-P-416 and dry film lubricant. MS21055 series nut.



EDMO#	MFR#	THREAD SIZE
MS21055L06	MS21055L06	6-32
MS21055L08	MS21055L08	8-32
MS21055L3	MS21055L3	10-32

Call for additional sizes.

SELF-LOCKING NUT PLATE

Carbon steel two-lug self-locking nut plates with standard rivet spacing. Cadmium type II finish per QQ-P-416 and dry film lubricant. MS21059 series nut.



EDMO#	MFR#	THREAD SIZE
21059L06	MS21059L06	6-32
21059L08	MS21059L08	8-32
21059-3	MS21059-3	10-32
MS21059L3	MS21059L3	10-32

Call for additional sizes.

SELF-LOCKING NUT PLATE

Carbon steel one-lug self-locking nut plates with standard rivet spacing. Cadmium type II finish per QQ-P-416 and dry film lubricant. MS21061 series nut.



EDMO#	MFR#	THREAD SIZE
MS21061L06	MS21061L06	6-32
MS21061L08	MS21061L08	8-32

Call for additional sizes.

SELF-LOCKING NUT PLATE

Carbon steel one-lug self-locking nut plates with reduced rivet spacing. Cadmium type II finish per QQ-P-416. MS21071 series nut.



EDMO#	MFR#	THREAD SIZE
MS21071L06	MS21071L06	6-32
MS21071L08	MS2107L08	8-32

Call for additional sizes.

SELF-LOCKING NUT PLATE

Carbon steel two lug floating self-locking nut plates with reduced rivet spacing. Cadmium type II finish per QQ-P-416 and dry film lubricant. MS21075 series nut.



EDMO#	MFR#	THREAD SIZE
MS21075L06	MS21075L06	6-32
21075L06N	MS21075L06N	6-32
21075L08N	MS21075L08N	8-32
21075L3N	MS21075L3N	10-32

Call for additional sizes.

MINI SELF-LOCKING NUT PLATE

Carbon steel two-lug self-locking nut plates with reduced rivet spacing and low height. Cadmium type II finish per QQ-P-416. MS21069 series nut.



EDMO#	MFR#	THREAD SIZE
21069L04	MS21069L04	4-40 x 0.630
21069-L06	MS21069L06	6-32 x .0661
21069-L08	MS21069L08	8-32 x 0.692
21069-L3	MS21069L3	10-32 x 0.724

Call for additional sizes.

INSTRUMENT MOUNTING NUTS (GRASSHOPPER NUTS)

Mount instruments with ease using these instrument mounting nuts. Constructed to be non-magnetic with phosphor bronze cages and half-hard brass nuts with a cadmium finish per QQ-P-416 Type 1. The legs can be inserted into clearance holes by compressing the cage with finger pressure. Once inserted and pressure is released, the legs spring apart, and the turned-down corners hold firm against the force of inserting and tightening a screw.



3373713C & 3373715C

EDMO#	MFR#	THREAD	LEG LENGTH (IN)
MS33737-9C	MS33737-9C	6-32	1/16
3373710C	MS33737-10C	6-32	3/32
3373711C	MS33737-11C	6-32	1/8
3373712C	MS33737-12C	6-32	3/16
3373713C	MS33737-13C	6-32	1/4
3373714C	MS33737-14C	6-32	5/16
3373715C	MS33737-15C	6-32	3/8
3373716C	MS33737-16C	6-32	3/8

CLIP-ON NUT

Floating clip-on nuts. Constructed with steel and dry film lubricant. BACN10 series nut.



EDMO#	MFR#	THREAD SIZE
BACN10FX61	BACN10FX61	6-32
3D0039-3	3D0039-3	6-32
BACN10FX83	BACN10FX83	8-32
BACN10YD1	BACN10YD1	10-32

FLOATING CLIP NUT

Floating clip nuts with one or two tabs. Carbon steel construction with cadmium type II finish per QQ-P-416 and dry film lubricant.

- Edge Distance: 0.375-0.500 in
- Panel Thickness Range: 0.020-0.125 in



EDMO#	MFR#	THREAD SIZE
NSA5067081	NSA5067-08-1	8-32
RC500-8-3	RC500-8-3	10-32

U-TYPE TINNERMAN SPEED NUTS

Tinnerman U-type nuts snap into position over a panel's edge and are ideal in blind or hard-to-reach locations without requiring welding or riveting. They are constructed of aircraft spring steel with a phosphate finish.



EDMO#	MFR#	PANEL THICKNESS (IN)
A17856Z1D	A1785-6Z-1D	0.025 to 0.064
A1786-8Z1D	A1786-8Z1D	0.040 to 0.051

RIVET NUT

Aluminum alloy flat head rivet nuts with an anodized finish per MIL-A-8625. Keyless, keyed, and reverse keyed are available.



EDMO#	MFR#	THREAD SIZE	DESCRIPTION
132904K60	NAS1329A04K60	4-40	Keyed
1329A06-75	NAS1329A06-75	6-32	Keyless
1329A06120	NAS1329A06-120	6-32	Keyless
1329A06K75	NAS1329A06K75	6-32	Keyed
1329A08-75	NAS1329A08-75	8-32	Keyless
1329A08120	NAS1329A08-120	8-32	Keyless
1329A08K75	NAS1329A08K75	8-32	Keyed
1329A3-80	NAS1329A3-80	10-32	Keyless
1329A3K80	NAS1329A3K80	10-32	Keyed
NAS1330A06	NAS1330A06K106	6-32	Reverse Keyed
NAS1330A08	NAS1330A08K106	8-32	Reverse Keyed

BOLTS

MACHINE BOLT

Hexagon head cadmium plated steel bolt with type II finish per QQ-P-416. 10-32 thread size. AN3 series bolt.



EDMO#	MFR#	LENGTH (IN)	GRIP (IN)
AN3-3A	AN3-3A	15/32	1/16
AN3-4A	AN3-4A	17/32	1/8
AN3-5A	AN3-5A	21/32	1/4
AN3-6A	AN3-6A	25/32	3/8
AN3-10A	AN3-10A	1-1/32	5/8
AN3-12	AN3-12	1-9/32	7/8
AN3-12A	AN3-12A	1-9/32	7/8
AN3-13A	AN3-13A	1-13/32	1
AN3-15A	AN3-15A	1-21/32	1-1/4
AN3-20A	AN3-20A	2-1/32	1-5/8
AN3-41A	AN3-41A	4-5/32	3-3/4

Call for additional sizes.

MACHINE BOLT

Hexagon head cadmium plated steel bolt with type II finish per QQ-P-416. 1/4-28 thread size. AN4 series bolt



EDMO#	MFR#	LENGTH (IN)	GRIP (IN)
AN4-3A	AN4-3A	15/16	1/16
AN4-4A	AN4-4A	17/32	1/16
AN4-5A	AN4-5A	21/32	3/16
AN4-6A	AN4-6A	25/32	5/16
AN4-7	AN4-7	29/32	7/16
AN4-7A	AN4-7A	29/32	7/16
AN4-10A	AN4-10A	1-1/32	9/16
AN4-12A	AN4-12A	1-9/32	13/16
AN4-13A	AN4-13A	1-13/32	15/16
AN4-14	AN4-14	1-17/32	1-1/16
AN4-15A	AN4-15A	1-21/32	1-3/16
AN4-24A	AN4-24A	2-17/32	2-1/16
AN4-46	AN4-46	4-25/32	4-5/16

Call for additional sizes.

MACHINE BOLT

Hexagon head cadmium plated steel. 5/16-24 thread size. AN5 series bolt



EDMO#	MFR#	LENGTH (IN)	GRIP (IN)
AN5-12A	AN5-12A	1-11/32	13/16
AN5-14	AN5-14	1-19/32	1-1/16
AN5-22A	AN5-22A	2-11/32	1-13/16
AN5-36A	AN5-36A	3-27/32	3-5/16

Call for additional sizes.

MACHINE BOLT

Hexagon head cadmium plated steel. 3/8-24 thread size. AN6 series bolt.



EDMO#	MFR#	LENGTH (IN)	GRIP (IN)
AN6-15A	AN6-15A	1-45/64	1-1/16
AN6-41A	AN6-41A	4-13/64	3-9/16
AN6-57A	AN6-57A	5-61/64	5-5/16

Call for additional sizes.

MACHINE BOLT

Hexagon head cadmium plated steel bolt with type II finish per QQ-P-416. 1/4-28 thread size. AN174 series bolt.



EDMO#	MFR#	LENGTH (IN)	GRIP (IN)
AN174-7A	AN174-7A	29/32	7/16
AN174-10A	AN174-10A	1-1/32	9/16

Call for additional sizes.

STANDARD CLOSE TOLERANCE BOLT

Hexagon head cadmium plated steel bolt with type II finish per QQ-P-416. 5/16-24 thread size. AN175 series bolt.



EDMO#	MFR#	LENGTH (IN)	GRIP (IN)
AN175-17A	AN175-17A	1-31/32	1-7/16
AN175-22A	AN175-22A	2-11/32	1-13/16

Call for additional sizes.

CLEVIS BOLT

Cadmium plated steel clevis bolt with type II finish per QQ-P-416. 10-32 thread size.



EDMO#	MFR#	LENGTH (IN)	GRIP (IN)
AN23-11	AN23-11	23/32	3/8
AN23-13	AN23-13	27/32	1/2
AN23-14	AN23-14	29/32	9/16
AN25-17	AN25-17	1-7/64	3/8

Call for additional sizes.

BULKHEAD SEALS



NMCS45A-11 NMCS45A-14 NMCS45A-12 NMCS45A-13

Nylon bulkhead seals for use with electrical harnesses or tubing passed through bulkheads in pressurized and non-pressurized aircraft. Available in natural color.

EDMO#	MFG#	SHAPE	SIZE (IN)
NMCS45A-11	NMC S45A-11	square	1-1/8
NMCS45A-12	NMC S45A-12	square	1-3/8
NMCS45A-13	NMC S45A-13	elliptical	3/4
NMCS45A-14	NMC S45A-14	elliptical	1/2

RIVET

Rivets with anodized aluminum alloy construction. MS20426 (100° countersunk precision head) and MS20470 (universal head) series rivets.



EDMO#	MFR#	LENGTH (IN)	DIAMETER (IN)
20426AD3-3	MS20426AD3-3	3/16	3/32
20426AD3-4	MS20426AD3-4	1/4	3/32
20470AD4-6	MS20470AD4-6	3/8	1/8

Call for additional sizes.

PINS

COTTER PIN

Cadmium plated carbon steel cotter pins. Passivated and corrosion-resistant type I per ASTM A380 and QQ-P-416.



EDMO#	MFR#	DIMENSIONS (IN)
MS24665132	MS24665-132	1/16 x 1/2
MS24665134	MS24665134	1/16 x 3/4
MS24665136	MS24665136	1/16 x 1
MS24665283	MS24665-283	3/32 x 3/4
24665-153	MS24665-153	1/16 x 3/4
24665-155	MS24665-155	1/16 x 1
MS24665360	MS24665-360	1/8 x 2
MS24665362	MS24665-362	1/8 x 2-1/2

Call for additional sizes.

CLEVIS PIN

Cadmium plated steel alloy clevis pins with type II finish per QQ-P-416. MS20392 series clevis pin.



EDMO#	MFR#	DIMENSIONS (IN)
20392-2C39	MS20392-2C39	1-7/32 x 3/16

Call for additional sizes.

CLIPS & INSERTS

TURNBUCKLE CLIP

Corrosion-resistant steel turnbuckle locking clip.



EDMO#	MFR#	DESCRIPTION
MS21256-1	MS21256-1	Turnbuckle Clip
MS21256-2	MS21256-2	Turnbuckle Clip

TINNERMAN CLIP

EDMO# S10233-3B
MFR# C8095-632-3B

Silver, zinc electroplated snap ring for U-type nuts. 6-32 thread.



STEEL INSERTS

Knurled, threaded steel inserts with zinc plating. Open end.



EDMO#	MFR#	THREAD SIZE	INSERT SIZE
AKS4-632	AKS4-632-80	6-32	0.80
AKS4-832	AKS4-832-80	8-32	0.80
AKS4-1032	AKS4-1032-130	10-32	0.130
AKS4-420	AKS4-420	1/4-20	0.165

RESIN HARDWARE BOX

EDMO# K602
MFR# K602

Resin compartment box to hold installation hardware.

- Dimensions: 11 x 6-3/4 x 1-3/4 in

SAFETY CABLE TOOL KIT

This safety cable kit contains a ferrule and a stainless steel safety cable (lengths and diameters specified below).

- Comes in pack of 50.



EDMO#	MFR#	LENGTH (IN)	DIAMETER (IN)
C09-218PKG	C09-218PKG	18	0.032
C10-112PKG	C10-112PKG	12	0.022
C10-118PKG	C10-118PKG	18	0.020
C10-212PKG	C10-212PKG	12	0.032
C10-218PKG	C10-218PKG	12	0.032
C10-221PKG	C10-221PKG	21	0.032
C10-224PKG	C10-224PKG	24	0.032
C10-318PKG	C10-318PKG	18	0.040

SAFETY LOCKWIRE

Stainless steel lockwire with a bare finish. Spools from a canister.



EDMO#	MFR#	LENGTH (FT)	DIAMETER (IN)
SAFEWIRE20	34-0200-1BLC	931	0.02
SAFEWIRE32	34-0320-1BLC	364	0.032

SCREWGRAB FRICTION GEL

EDMO# SG-94
MFR# SG-94

ScrewGrab increases the grip between your screwdriver and a screw by 800%. A single dab creates a positive grip between metal surfaces. It virtually eliminates tool wear or rounding and deforming of fasteners. Whenever stubborn screws are a problem, ScrewGrab is the solution. Use ScrewGrab with all types of screws: slotted, phillips, allen, square, torx, spline keys, and many more. Comes in a convenient 0.5 fl oz. tube.



- Non-corrosive, non-irritant, and non-staining
- Comes with a resealable cap and has an unlimited shelf life
- Works instantly and wipes clean

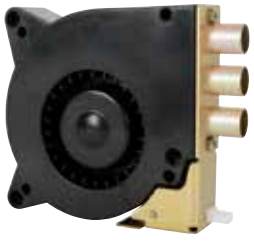
COOLING FANS

SAFE SERIES COOLING FANS

SANDIA AEROSPACE



SAFE 128



SAFE 328

The SAFE series cooling fans are axial fans that attach directly to an avionics unit's cooling port. These fans provide a nominal 20 CFM of cooling air and alert output whenever the fan RPM drops below a preset level. The SAFE series uses a high-quality, brushless blower motor and RunQuiet technology.

Weight:	SAFE 128: 0.25 lb SAFE 328: 0.7 lb SAFE 528: 1.23 lb
Dimensions:	SAFE 128: 2.36 x 2.87 x 1.44 in SAFE 328: 5.58 x 4.75 x 1.25 in SAFE 528: 5.13 x 6.77 x 2.1 in
Operating Voltage:	22–31 VDC
Current Draw:	SAFE 128: 100 mA nominal (250 mA startup) SAFE 328: 400 mA nominal (550 mA startup) SAFE 528: 400 mA nominal (550 mA startup)
Certification:	FAA-PMA

EDMO#	MFR#	DESCRIPTION
305468-00	305468-00	SAFE 128, 28V
305467-00	305467-00	SAFE 328, 28V
705722-00	705722-00	SAFE 528, 28V
ACCESSORIES		
305477-00	305477-00	Install kit for SAFE 528

AVIONICS COOLING FANS

SANDIA AEROSPACE



ACF314



ACF528

The ACF 314 and ACF 328 are 3-port cooling fans with the ability to cool up to three avionics units and the capacity to cool up to 20 cubic feet of air per minute. The ACF 314 operates on 14 VDC while the ACF 328 operates on 28 VDC, respectively using a high-quality, brushless blower motor and RunQuiet technology.

The ACF5 28 is similar to the ACF 328 in operating voltage but is equipped with 5 ports and the ability to cool up to 5 avionics units.

Weight:	1.18 lb
Dimensions:	ACF 314 & ACF328: 5.18 x 5.18 x 2.1 in ACF 528: 5.13 x 6.77 x 2.1 in
Operating Voltage:	ACF 314: 14 VDC ACF 328 & ACF 528: 28 VDC
Current Draw:	ACF 314: 960 mA nominal (1.7 A startup) ACF 328 & ACF 528: 480 mA nominal (0.85 A startup)
Certification:	FAA-PMA

EDMO#	MFR#	VOLTAGE	PORTS
ACF314	ACF314	14	3
ACF328	ACF328	28	3
ACF528	ACF528	28	5
ACCESSORIES			
305084-00	305084-00	Connector kit for ACF328	
305552-00	305552-00	Install kit AIS 200 series	

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Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

VENA MT FLEXIBLE AIRCRAFT DUCTING

VENAIR
EDMO#: 50011-16
MFR#: 500110000016



Ideal for the cooling of electronic units, the Vena® MT Medium Temperature Hose is an industrial neoprene ducting for conveying air or gaseous fluids at medium temperatures with high flexibility and high resistance to aging. The MT version has one layer of fiberglass with neoprene and a visible steel wire spiral inside the hose. This product is recommended for air ventilation, extraction of engine fumes, cooling of electronic units, and welding gas aspiration. The material is in compliance with the RoHS Directive 2002/95/EC and its subsequent amendments, including the RoHS2 Directive 2011/65/EU and RoHS3 Directive 2015/863.

- Conveys air from cooling fans to electronics
- Rated for medium temperatures: -55ºC to 125ºC
- High resistance to aging
- One fiberglass-reinforced textile
- Neoprene rubber compound
- Coated with steel wire

Diameter	5/8 in.
Length	13 ft
Temperature	-55ºC to 125ºC (-67°F to 257°F)
Material	ECO material - Special flame retardant neoprene classified as HL3 according to EN-45545-2 standard
Connections	Smooth cuff ends for a better connection
Outer Layer	Neoprene, corrugated and black.
Inner Layer	Neoprene, corrugated and black.
Reinforcement	One layer (MT) or two layers (MTD) of fiberglass and steel wire spiral

GARTER FILTER

AERO PERFORMANCE
EDMO# ARB3-5-1
MFR# ARB3-5-1

Polyurethane foam garter filter used on all Tempest vacuum-regulating valves and dry air pressure pump inlet air filters (AA1J series inlet filters).

AIRBORNE GYRO AIR FILTER

AERO PERFORMANCE



Increase gyro life with Airborne gyro air filter. Incorporates a 0.3 micron filter element that protects gyro instruments by filtering out tobacco smoke and cabin dust. Small, lightweight, easily installed. Fits most planes. Dual 3/8 beaded tubes simplify two-gyro installations.

EDMO#	MFR#	DESCRIPTION
AA1J7-2	AA1J7-2	Airborne Gyro Air Filter | One Tube
AA2J4-7	AA2J4-7	Airborne Gyro Air Filter | Line Mounted
AAD9-14-5	AAD9-14-5	Airborne Gyro Air Filter | Medium
AAD9-18-1	AAD9-18-1	Airborne Gyro Air Filter | Tall

EDMO: BIG SELECTION, PRODUCTS YOU KNOW & NAMES THAT YOU TRUST.

EDMO has a variety of mounting accessories available. If you don't see what you need here, it's likely we have it, or can order it in for you. You can also check out the newly improved edmo.com. With thousands of parts a click away, EDMO has you covered. And as always, our friendly customer service and sales staff is here for you. Give us a call at 1.800.235.3300 or visit edmo.com for more info.

QUALITY





EDMO

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TOOLING

PANEL PRO MODEL 6126

BULLER ENTERPRISES, INC



Reduce the time it takes to cut out a panel with the Panel Pro 6126 from Buller Enterprises, a computer-controlled router that takes cutting time down from a day to less than a couple of hours. This machine is optimized for cutting 1/8-inch thick aluminum sheet metal but is capable of handling other thicknesses as well as Plexiglas and wood. The Panel Pro cuts a wide range of sizes with accuracy to approximately 0.0002" and it has the ability to create corners and microstop countersinks. All that's required is a Pentium computer; the Panel Pro's included AvCAM software is compatible with .dxf files created by AutoCAD.

- Perfect for cutting 1/8-inch thick aluminum sheet metal but able to cut aluminum as thick as ½-inch as well as other materials such as Plexiglas and wood (note: no vacuum system)
- 61-inch width travel (X axis), 26-inch height travel (Y axis), and 3.125-inch up and down travel (Z axis); capable of making microstop countersinks and other operations
- Fast cutting times: ≈1 hour, 20 minutes to complete a 4-foot wide King Air 350 panel with an average cutting speed of 12–15 inches per minute (speed depends on the material and desired finish)
- Included AvCAM operating software uses the Z axis of a .dxf file (if no Z coordinate is supplied as in 2D CAD, the Z depth defaults to a Z cutting depth entered by the user)
- Has switches for repeatable absolute zero in X, Y, and Z as well as hard stops on the X and Y axes so that the X to Y square can be easily checked and reset
- Minimum corner radius is dependent on the end mill used; for 1/8-inch, the minimum radius is 0.0625 inches
- Pentium compatible; Windows XP or 7 operating systems, 32 or 64 bit; requires a standard serial or USB port with adapter to connect with the SC3 Controller
- Requires about 4 x 6 feet of room for operation

PANEL PRO ACCESSORIES

EG2 ENGRAVER FOR PANEL PRO



The EG2 engraver consists of a precision spindle assembly with a replaceable nose that can be adjusted in 0.001 increments. This degree of precision allows the EG2 to engrave through a top layer of paint to reveal a colored sub-layer below. This accessory can be used for engraving placards, circuit breaker panels, or directly on the surface of an instrument panel. The EG2 includes the engraver assembly, one 0.010 tip width cutter, one 0.4375 steel nose, and two ¼-inch diameter Delrin nose pieces.

MEASURE PRO FOR PANEL PRO



This Panel Pro accessory measures individual elements such as lines, circles, and curves and saves them as a .dxf file for editing in CAD programs. Rather than a scanner or tracer, the Measure Pro is a coordinate measuring device that can easily measure the curves incorporated into the panel perimeter as well as mounting and instrument holes. The Measure Pro system consists of a TP1 Touch Probe and measuring software.

- The TP1 Touch Probe is a switch that opens when the ruby probe tip makes contact with an edge or surface. It triggers ± X axis, ± Y axis, and - Z axis.

DIAMOND TIP ENGRAVER



The Diamond Engraver is a drag-type, non-rotating engraver. It works best on bare metal (brass, aluminum, stainless steel) and anodized aluminum.

PANEL SPACER KIT



The panel spacer kit supplies 3 panel spacers adjustable from 7/8" to 1-1/8" for the height of the rolled edges on OEM and PMA King Air panels so that the panel can be clamped directly on to the Panel Pro Material mount bars. It also supplies 6 2-1/2" clamps to provide the clamping, and spacers to raise the splash guard to the higher cutting height. While this is directed at the King air panels, it can be used on many other panels that have a rolled edge.

LZ1 LASER ENGRAVER



- The Panel Pro LZ1 laser engraver produces great-looking markings on materials, such as light-colored powder coat, by darkening the surface with heat from the laser. The LZ1 easily mounts on the Panel Pro accessory mount.
- Included accessories:
- LZ1 laser module
- Warning light tower includes the LZ1 module, the SC3 controller, and the AvCAM 18 screen with emission indicators
- Three pairs of safety glasses rated for 445nm laser at an optical density (OD) of 4
- Supplementary shield that further reduces reflected and scattered laser radiation
- AvCAM version 18.xxx software is included with the Panel Pro

EDMO#	MFR#	DESCRIPTION:
1-0300-00D	1-0300-00D	Panel Pro Model 6126
ACCESSORIES		
1-0072-0	1-0072-0	EG2 Engraver
5-0004-4A	5-0004-4A	1-inch Mounting Bar
7-0080-0	7-0080-0	King Air Panel Spacer Kit
7-0090-0	7-0090-0	Diamond Tip Engraver
129688	129688	Single-flute end mill, 3/16-inch diameter, 3/16-inch shank for aluminum cutting
CLAMP2.0	CLAMP2.0	Light duty C-clamp
CNV3000	CNV3000	Step down transformer
EM1/8-4	EM1/8-4	Single-ended mill, 1/8-inch diameter, high strength carbide, 1/8-inch shank, 1/2-inch length of cut, and two flutes
EM125-1	EM125-1	Double-ended mil, 1/8-inch diameter, 3/16-inch shank, 1/4-inch cut length, 2 flute, 2-inch length

9 PIN D-SUB CONNECTOR HOLE PUNCH

GREENLEE TEXTRON
EDMO# 34436
MFR# 229



The 9-Pin D-Sub Connector Hole Punch simplifies panel preparation by cutting out both the connector space and mounting slots in a single operation, requiring only one 7/16" pilot hole. Its universal design allows for both front and back mounting, making it versatile and efficient for quick installations.

Dimensions:	0.787 x 0.982 x 0.469 in
Pilot Hole:	7/16 in
Application:	Electronic Connector Panel Punch

3ATI HOLE PUNCH

EDMO# PP325-A
MFR# PP325-A



The 3ATI hole punch is designed to punch a clean hole in aluminum panels up to 0.090 inches.

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INSERTION & EXTRACTION

EXTRACTION/REMOVAL TOOLS

Installation and removal tools for electrical connector contacts. Constructed with hard plastic bodies. Varying colors.

EDMO#	MFR#	MATERIAL	TYPE	COLOR	COMPATIBLE CONNECTOR CONTACTS:	
CONTACT SIZE #0						
M819691408	M81969/14-08	Plastic	Removal	Yellow	MIL-C-26482, MIL-C-81703, MIL-C-83723, MIL-C-38999, MIL-T-81714 and MIL-C-5015	
CONTACT SIZE #4						
M819691407	M81969/14-07	Plastic	Removal	Blue	MIL-DTL-26482 series II, AS81703 series III, MIL-DTL-83733 (EXCEPT 22D), MIL-DTL-83723 series II & III, and AS50151	
CONTACT SIZE #8						
M819691406	M81969/14-06	Plastic	Removal	Red	MIL-C-26482, MIL-C-81703, MIL-C-83723, MIL-T-81714 and MIL-C-5015	
M819691412	M81969/14-12	Plastic	Removal	Green	MIL-C-38999	M819691406
CONTACT SIZE #10						
M819691405	M81969/14-05	Plastic	Insertion/removal	Gray/white	MIL-C-38999	
CONTACT SIZE #12						
M819691404	M81969/14-04	Plastic	Insertion/removal	Yellow/white	MIL-C-26482, MIL-C-81703, MIL-C-83723, MIL-C-38999, MIL-T-81714 and MIL-C-5015	
M819691603	M81969/16-03	Plastic	Insertion	Yellow/white	MIL-C-81511 Series 3 & 4	M819691603
CONTACT SIZE #16						
M81969/103	M81969/1-03	Plastic body/ metal tip	Insertion/removal	Blue/white	MIL-C-24308 and MIL-C-81659	 M81969/103
M819691403	M81969/14-03	Plastic	Insertion/removal	Blue/white	MIL-C-26482, MIL-C-81703, MIL-C-83723, MIL-C-38999, MIL-T-81714 and MIL-C-5015	
M819691602	M81969/16-02	Plastic	Insertion/removal	Blue/white	MIL-C-81511 Series 3 & 4	M819691602
CONTACT SIZE #20						
M81969/102	M81969/1-02	Plastic body/ metal tip	Insertion/removal	Red/white	MIL-C-24308 and MIL-C-81659	 M81969-102
M819691402	M81969/14-02	Plastic	Insertion/removal	Red/white	MIL-C-26482, MIL-C-81703, MIL-C-83723, MIL-C-38999, MIL-T-81714 and MIL-C-5015	
M819691410	M81969/14-10	Plastic	Insertion/removal	Red/orange	MIL-C-38999	M819691410

*continued on next page

EDMO#	MFR#	MATERIAL	TYPE	COLOR	COMPATIBLE CONNECTOR CONTACTS:
M819691411	M81969/14-11	Plastic	Insertion/removal	Red/white	MIL-C-26482, MIL-C-81703, MIL-C-83723, MIL-T-81714 and MIL-C-5015
M819691601	M81969/16-01	Plastic	Insertion/removal	Red/white	MIL-C-81511 Series 3 & 4
M819693901	M81969/39-01	Plastic	Insertion/removal	Green/white	MIL-C-24308 MIL-C-81659
CONTACT SIZE #22					
M81969/101	M81969/1-01	Plastic body/ metal tip	Insertion/removal	Green/white	MIL-C-24308 and MIL-C-81659
M81969/104	M81969/1-04	Plastic body/ metal tip	Insertion/removal	Green/white	MIL-C-24308 and MIL-C-81659
M819691401	M81969/14-01	Plastic	Insertion/removal	Green/white	MIL-C-26482, MIL-C-81703, MIL-C-83723, MIL-C-38999, MIL-T-81714
M819691409	M81969/14-09	Plastic	Insertion/removal	Brown/white	MIL-C-55302/169 /171
CONTACT SIZE #23					
M819691604	M81969/16-04	Plastic	Insertion/removal	Green/white	MIL-C-81511 Series 3 & 4


M819691601


M819693901


M81969/104


M819691409


M819691604

METAL TIPPED INSERTION & EXTRACTION TOOLS

Insertion and extraction tools with color-coded handles and metal tips.

EDMO#	MFR#	AWG	COLOR
91066-1	91066-1	22	Green and white
91066-3	91066-3	16	Blue and white
91066-4	91066-4	20	Red and white
91067-1	91067-1	22-28	Green and white
91067-2	91067-2	24-20	Red and white
TIPS			
126195-2	126195-2	Tip for 91067-1 (extraction end)	
126195-3	126195-3	Tip for 91067-2 (insertion)	
126195-4	126195-4	Tip for 91067-2 (extraction)	
126237-1	126237-1	Tip for 91067-1 (insertion)	





DOUBLE-ENDED INSERT/EXTRACTION TOOLS

Double-ended insertion and removal tools designed for size 20 and 22 pin and socket contacts and coaxial cable.

EDMO#	MFR#	AWG
M15570-201	M15570-20-1	20
M15570-221	M15570-22-1	22
M15570-25	M15570-25	COAX







DOUBLE-ENDED INSERT/REMOVAL TOOL

EDMO# CTA-1160
MFR# CTA-1160

Double-ended insertion and removal tool designed for size 22-20 pin (CTA-0093 & CTA-0166) and socket (CTA-0094 & CTA-0165) contacts installed in Raychem "MTCP" Series Modular Rectangular connectors.



INSERTION/EXTRACTION TOOL

EDMO# CET-C6B-2
MFR# CET-C6B-2



The CET-C6B-2 insertion and removal tool allows technicians to service fiber optic and D-sub combination connectors with an outside diameter of 1.25 mm.

CANNON EXTRACTION TOOL

EDMO# CET-C8
MFR# CET-C8

The CET-C8 is a plastic removal tool designed for coaxial contacts installed in ITT-Cannon BKAD, BKAE, BKAF, DPXMA, MIL-C-81659, and MIL-C-83733 Series rear release rectangular rack and panel connectors.

CANNON EXTRACTION TOOL

EDMO# CET20-11
MFR# CET20-11



The CET20-11 is a removal tool designed for size 20 pin (330-5291-xxx) and socket (331-1007-xxx) contacts installed in ITT-Cannon D*MA and D*U Series D-subminiature rear release rectangular connectors.

CANNON INSERTION/EXTRACTION TOOL

EDMO# CIET20HD
MFR# CIET-20HD



CIET-20HD is an ITT Cannon installation/removal tool for #20 contacts.

CANNON INSERTION/EXTRACTION TOOL

EDMO# CIET22
MFR# CIET-22



CIET-22 is an ITT Cannon installation/removal tool with a metal tip that has an inside diameter of 0.047 inches on one end and 0.049 inches on the other.

CANNON CET 20A REMOVAL TOOL

EDMO# DRK-36
MFR# DRK36



DRK-36 is a Cannon CET 20A pin and socket removal tool—size 20.

PIN & SOCKET REMOVAL TOOL

EDMO# DHK20
MFR# DHK20



The DHK20A removal tool is designed to remove #20 pins and sockets from the connector housing.

Compatible Contacts:	M39029/31-241 Pin M39029/32-260 Socket (20 – 24 AWG)

INSERTION/REMOVAL TOOL

EDMO# DHK21
MFR# DHK21



DHK21 is a double-ended insertion/extraction tool.

For the following contacts by Souriau (Burndy):	HYPIN YHMM16-1, YHMM16-3, YHMM16-4, HMM16-5, YHMM18-2, YHMM20-1, YHMM20-2, YHMM22-1, YHMM22-2 and YHMM24-1 contacts installed in YHLZ, SYHLZ & SYH modular terminal blocks.

INSERTION TOOLS

EDMO#	MFR#	MIL SPEC	COLOR	
DAK55-0B	M81969/17-08	M81969/17-08	Yellow	
DAK55-4B	M81969/17-07	M81969/17-07	Blue	

EDMO#	MFR#	MIL-SPEC	COLOR	
DAK12	DAK12	MS24256A12	Yellow	
DAK12B	DAK12B	M81969/17-05	Yellow	
DAK16	DAK16	MS24256A16	Blue	
DAK-16A	DAK16A	M81969/17-04A	Blue	
DAK16B	DAK16B	M81969/17-04	Blue	

EDMO#	MFR#	MIL-SPEC	COLOR	
DAK-20	DAK20	MS24256A20	Red	
DAK-20A	DAK-20A	M81969/17-03	Red	
DAK20B	DAK20B	M81969/17-03	Red	
DAK84-20	DAK84-20	-	Red	
DAK123A	DAK123A	M81969/18-01	Green	
DAK126-23A	DAK126-23A	M81969/2-01	Yellow	
DAK-145	DAK-145	-	Green	
DAK223-22	DAK223-22	-	Blue	

MIL-SPEC REMOVAL TOOLS

DANIELS MANUFACTURING CORP

EDMO#	MFR#	MIL P/N	
CONTACT SIZE 0			
DRK56-0A	M81969/19-05	M81969/19-05 REV A	
CONTACT SIZE 12			
DRK-12	DRK12	MS24256R12	
DRK12A	DRK12A	M81969/19-09 REV A	
DRK12B	DRK12B	M81969/19-09 REV A	
DRK-124	DRK124	MS17806	
CONTACT SIZE 16			
DRK16	DRK16	MS24256R16	
DRK16B	DRK16B	M81969/19-01 REVB	
DRK56-16A	DRK56-16A	M81969/19-01	
CONTACT SIZE 20			
DRK-20	DRK20	MS24256R20	
DRK-20A	DRK20A	M81969/19-07 EV A	
DRK20B	DRK20B	M81969/19-06 REVB	
DRK84-20	DRK84-20	-	
DRK124A	DRK124A	M81969/20-01	
DRK124-22A	DRK124-22A	M81969/20-02	
CONTACT SIZE 23			
DRK125-23A	DRK125-23A	M81969/3-05	

ELECTRICAL CONTACT REMOVAL TOOL

DANIELS MANUFACTURING CORP
EDMO# DRK-81
MFR# DRK81



Removal tool designed for pin and socket contacts. Includes probes for #12-16 sockets, #16 pins, #20 sockets, and #20 pins.

REMOVAL TOOL

DANIELS MANUFACTURING CORP
EDMO# DRK294
MFR# DRK294



This DRK294 pin and socket removal tool has a tip diameter of 0.062 to 0.072 inches.

REMOVAL TOOL

DANIELS MANUFACTURING CORP
EDMO# DRK310
MFR# DRK310

DRK310 is a removal tool for size 5 and 9 coaxial contacts from ARINC 404 and 600 connectors.



LEMO CONTACT EXTRACTION TOOL

EDMO# 930904
MFR# DCF.93.090.4LT

This extraction tool is used to remove pins and sockets for Lemo crimp contacts that are 0.9 mm in diameter.



INSTALLATION & REMOVAL TOOL KITS

Always have the right install and removal tools at hand with these two kits. Each contains an assortment of metal installation and removal tools.



EDMO#	MFR#	DESCRIPTION	KIT INCLUDES
88-09-001	88-09-001	Install tool kit	DAK12 (MS24256A12) DAK16 (MS24256A16) DAK20 (MS24256A20)
88-09-002	88-09-002	Removal tool kit	DRK12 (MS24256R12) DRK16 (MS25246R16) DRK20 (MS24256R20)

MOLEX INSERTION/EXTRACTION TOOLS

These are lightweight, dispensable tools at an excellent price used to place or remove a terminal within a housing.

EDMO#	MFR#	USE WITH	
0011010168	11-01-0168	MLX 0.084-inch pins & sockets	
11-02-0008	11-02-0008	08-03-0304 KK crimp terminals	
11-03-0002	11-03-0002	Artex 151-6625 contacts	
11-03-0003	11-03-0003	0.156-inch pins	
11-03-0006	11-03-0006	0.234-inch pins & socket contacts	
11-03-0043	11-03-0043	Micro-Fit terminals	
11-03-0044	11-03-0044	MiniFit Jr. Series Terminals	

MOLEX EXTRACTION TOOLS

Extraction tools for Molex connectors.

EDMO#	MFR#	FITS	
W-HT-1884	W-HT-1884	.156 terminals	
W-HT-2038	W-HT-2038	.093 terminals	
W-HT-2285	W-HT-2285	.062 terminals	

INSERTION/EXTRACTION TOOL

EDMO# 91285-1
MFR# 91285-1



Insertion and extraction tool with interchangeable tips for use with HD-22 and HD-20 contacts used in Amplimite HD connectors. This tool includes a handle, six tips, a hex wrench, and a plug. Each plug is color-coded according to a specific type and wire size (refer to the table below).

EDMO#	AWG	COLOR	TYPE
1-543382-0	24–18	Red	Extraction
1-543382-1	28–24	Brown	Extraction
543382-5	28–20	Yellow	Extraction
543382-8	28–22	Green	Insertion/extraction

ELECTRICAL CONTACT REMOVAL TOOL

DANIELS MANUFACTURING CORP

Removal tools designed for pin and socket contacts in DS series miniature circular front release connectors.



EDMO#	MFR#	AWG
DRK51-12	DRK51-12	12
DRK51-16	DRK51-16	16
DRK51-20	DRK51-20	20
DRK51SE-20	M15515-20	20

REMOVAL TOOL WITH PROBES

DANIELS MANUFACTURING CORP
EDMO# DRK105
MFR# DRK105



Removal tool with interchangeable probes.

EDMO#	MFR#	ACCESSORY	
DRK105-1SA	DRK105-1SA	Handle Assembly	
DRK10522M2	DRK105-22M-2	Yellow Probe	
DRK105-122	DRK105-122	Yellow Probe	
DRK105-162	DRK105-162	Blue Probe	
DRK105-202	DRK105-202	Red Probe	
DRK105-222	DRK105-222	Green Probe	

REMOVAL TOOL WITH PROBES

DANIELS MANUFACTURING CORP
EDMO# DRK110
MFR# DRK110



Removal tool with interchangeable probes.

EDMO#	MFR#	PROBE COLOR
DRK110-122	DRK110-12-2	Yellow
DRK110-162	DRK110-16-2	Blue
DRK110-202	DRK110-202	Red



REMOVAL TOOL

DANIELS MANUFACTURING CORP

EDMO# DRK130-22A
MFR# DRK130-22A



Removal tool with interchangeable probes.

REMOVAL TOOL HANDLE ASSEMBLY

DANIELS MANUFACTURING CORP
EDMO# DRK520B
MFR# DRK520B



Removal tool handle assembly that accepts interchangeable probes.

EDMO#	MFR#	SIZE	COLOR
DRK521B	M81969/30-21	22	Yellow
DRK525B	M81969/30-25	20	Red
DRK526B	M81969/30-26	16	Blue
DRK527B	M81969/30-27	12	Yellow
DRK528B	M81969/30-28	22D	Brown
DRK-531B	M81969/30B-31	20	Red
DRK-532B	M81969/30B-32	16	Blue



FORK CONTACTS REMOVAL TOOLS

Removal tools for fork-type contacts.

EDMO#	MFR#	COLOR
DRK-230	DRK230	Red
DRK188	DRK188	Blue



COAXIAL CONTACT REMOVAL TOOL

DANIELS MANUFACTURING CORP
EDMO# DRK38
MFR# DRK38



DRK38 is a removal tool for D-subminiature coaxial contacts.

COAXIAL CONNECTOR REMOVAL TOOL

DANIELS MANUFACTURING CORP
EDMO# DRK158
MFR# DRK158



Removal tool for Type II, III, III(+), VI, X, and subminiature coaxial connectors.

MATE-N-LOCK CONTACT EXTRACTORS

These extraction tools are designed to remove pins or socket contacts from Mate-N-Lok connectors. The tool has a handle and sleeve assembly that releases the contact locking lance as well as a push-rod button to eject the contact.



EDMO#	MFR#	USE WITH
1-305183-1	1-305183-1	Pin contacts
1-305183-2	1-305183-2	Socket contacts
318831-1	318831-1	0.062 pin and socket contacts

M81714/69 SERIES II SOCKET JUNCTION MODULE REMOVAL TOOL

EDMO# M8171469-1
MFR# M81714/69-01



These removal tools are for single and double-module MIL-T-81714 terminal junction modules, grounding modules, power distribution, and feedback modules.

MATE-N-LOCK EXTRACTION TOOL

EDMO# 465644-1
MFR# 465644-1



This extraction tool works with the pins and sockets from Mate-N-Lock connectors.

EXTRACTION TOOL

EDMO# 189727-1
MFR# 189727-1



This extraction tool is designed to extract Mini-Universal Mate-N-Lock Contacts from housing cavities. It consists of a push button, push rod, handle, and sleeve. The sleeve is inserted into the mating face of the housing, depressing the locking lances of the crimped contact and allowing the contact to be extracted from the wire-entry face of the housing.

EXTRACTION TOOL

EDMO# 2063388-1
MFR# 2063388-1



This extraction tool is designed to remove miniature rectangular (MR) contacts, miniature universal Mate-N-Lock contacts, or commercial 0.062 pin contacts from the housings designed for these contacts. The tool consists of a metaltip and a plastic handle.The tip is inserted into the mating face of the housing, depressing the locking lances of the crimped contact. This action allows the contact to be extracted from the wire-entry face of the housing.

PIN/SOCKET EXTRACTION TOOL

EDMO# 305183
MFR# 305183



This extraction tool removes pin and socket contacts from Multimate connectors. The tool is comprised of a handle and sleeve that release the contact locking lance and a push-rod button that ejects the contacts.

- II, III, IIII(+), VI, X, and subminiature coaxial contact types
- All contact sizes
- Plastic & steel construction

BLADE EXTRACTION TOOL

EDMO# 465199-1
MFR# 465199-1



This extraction tool extracts the AMP-BLADE contacts from connectors 582151, 582200, 582201, 582202, 582203, 582204, 582307, and 582389. It consists of a lance release tip for depressing the contact locking lance and an extraction tip for pushing the contact from the connector. There is a handle for pushing the extraction tip.

LEAF EXTRACTION TOOLS

STANDARD TOOL

EDMO# 465195-1
MFR# 465195-1



Extraction tool for leaf pins. This tool consists of a lance release tip for depressing the contact locking lance, an alignment tip for positioning the tool in the connector housing, and an extraction tip for pushing the contact from the connector housing.

TOOL FOR MOLEX/KING

EDMO# 465195-2
MFR# 465195-2



This AMP-LEAF extraction tool extracts AMP-LEAF contacts from the following connectors: 480133, 480146, 582191, 583360-1, 583428-1, 583663-1, 583716-1, 583731-1. This tool consists of a lance release tip for depressing the contact locking lance, an alignment tip for positioning the tool in the connector housing, and an extraction tip for pushing the contact from the connector housing.

EXTRACTION TOOL

EDMO# 91017-3
MFR# 91017-3



This extraction tool is used to extract AMP-TAB male terminals from AMP-TAB quad connectors. Works with wire sizes 26-22 and 22-18.

SNAP RING REMOVAL & INSERTION TOOLS



SRT-1



SRT-2

The SRT-1 and SRT-2 are 16 inches long and designed to install (SRT-2) and remove (SRT-1) those hard-to-get-at snap rings located in the back of avionics trays.

EDMO#	MFR#	TYPE	LENGTH	MATERIAL
SRT-1	SRT-1	Removal	6-7/8 in	Plated steel
SRT-2	SRT-2	Insertion	6-7/8 in	Plated steel

T-HANDLE WIRE INSERTION TOOL

The T-handle wire insertion tool is equipped with a slotted blade design, which is used to insert the wire into the MTA connector. The blade is designed to fit into the connector slot to terminate the wire by inserting an unstripped wire into a slotted contact beam to form a reliable electrical connection between the conductor and contact.



EDMO#	MFR#	CONTACT TYPE	CENTERLINE SPACING
59803-1	59803-1	Receptacle	0.100
59804-1	59804-1	Receptacle and Posted	0.156

WAFER REMOVAL TOOL

EDMO# D-659-0001
MFR# 699016-000



The D659-0001 is a wafer removal tool designed for use with the MTC Series connectors.

STAINLESS STEEL INSERTION TOOL

EDMO# CTA-0161
MFR# CTA-0161



The CTA-0161 stainless steel insertion/extraction tool is designed for use with the MTC series modular rectangular connector inserts.

RELAY REMOVAL TOOL

EDMO# M610631001
MFR# M6106/31-001



The M610631001 removal tool is designed to remove relays from the M12883/53-001 mounting bracket.

ANTI-MAGNETIC, STAINLESS STEEL TWEEZERS

Industrial hand tweezers.

EDMO#	MFR#	SIZE	DESCRIPTION	
XHT-434	XHT434	4-3/4 inch	Smooth, sharp point	
XHT-600	XHT-600	6 inch	Round point	
XHT-700	XHT-700N	7 inch	Straight point	

INSERTION TWEEZERS

This tweezer-shaped tool has two grooved insertion tips for grasping the wire connected to the contact and tool handles that allow the user to apply even pressure to the insertion tips.



EDMO#	MFR#	DESCRIPTION
91002-1	91002-1	0.375 in opening
455830-1	455830-1	0.19 in opening

INSERTION TWEEZERS

Tweezer-type installation tool for rear release connectors.



DAK95-20B



DAK83-12B



DAK95-22MB



DAK95-22A

EDMO#	MFR#	MIL SPEC	COLOR
CONTACT SIZE 8			
DAK264-8	DAK264-8	M81969/46-06	Red
CONTACT SIZE 12			
DAK83-12B	DAK83-12B	M81969/8-209	Yellow
DAK95-12B	DAK95-12B	M81969/8-09	Yellow

EDMO#	MFR#	MIL SPEC	COLOR
CONTACT SIZE 16			
DAK83-16	DAK83-16	–	Blue
DAK83-16B	DAK83-16B	M81969/8-207	Blue
DAK95-16	DAK95-16	MS27495A16	Blue
DAK95-16A	DAK95-16A	M81969/8-07 REV A	Blue
DAK95-16B	DAK95-16B	M81969/8-07	Blue
CONTACT SIZE 20			
DAK83-20	DAK83-20	–	Red
DAK83-20B	DAK83-20B	M81969/8-205	Red
DAK95-20A	DAK95-20A	M81969/8-05 REV A	Red
DAK95-20B	DAK95-20B	M81969/8-05	Red
DAK-188	DAK188	-	Red
CONTACT SIZE 22			
DAK95-22	DAK95-22	MS27495A22	Brown
DAK95-22A	DAK95-22A	M81969/8-03 REV A	Brown
DAK95-22B	DAK95-22B	M81969/8-03	Brown
DAK95-22M	DAK95-22M	MS27495A22M	Black
DAK95-22MA	DAK95-22MA	M81969/8-01 REV A	Black
DAK95-22MB	DAK95-22MB	M81969/8-01	Green

REMOVAL TWEEZERS

Tweezer-type removal tool for rear release connectors.



DRK237



DRK83-16B

EDMO#	MFR#	MIL P/N	COLOR
CONTACT SIZE 8			
DRK95-8	DRK95-8	–	Red
DRK95-8B	DRK95-8B	M81969/8-14 REV B	Red
DRK264-8	DRK264-8	–	Red
CONTACT SIZE 12			
DRK83-12B	M81969/8-210	M81969/8-210	Yellow
DRK95-12B	DRK95-12B	M81969/8-10	Yellow
CONTACT SIZE 16			
DRK83-16	DRK83-16	–	Black
DRK83-16B	DRK83-16B	M81969/8-208	Blue
DRK95-16A	DRK95-16A	M81969/8-08 REV A	Blue
DRK95-16B	DRK95-16B	M819698-08	Blue
CONTACT SIZE 20			
DRK83-20	DRK83-20	–	Red
DRK95-20	DRK95-20	MS27495R20	Red
DRK95-20A	DRK95-20A	M81969/8-06 REV A	Red
DRK95-20B	DRK95-20B	M81969/8-06	Red
DRK225-22	DRK225-22	–	Black
DRK-145	DRK145	–	Green
DRK-145L	DRK145L	–	Green
CONTACT SIZE 22			
DRK95-22	DRK95-22	MS27495R22	Brown
DRK95-22A	DRK95-22A	M81969/8-04	Brown
DRK95-22B	DRK95-22B	M81969/8-04	Brown
DRK95-22M	DRK95-22M	MS27495R22M	Blue
DRK95-22MA	DRK95-22MB	M81969/8-02 REV A	Green
DRK95-22MB	DRK95-22MB	M81969/8-02 REV B	Green
DRK223-22	DRK223-22	–	Black
DRK237	DRK237	–	Black
DRK238-22	DRK238-22	–	Brown
DRK246	DRK246	–	Black

5

CRIMP & BARREL DIE TOOL SETS

AF8 CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# AF8
MFR# AF8

The AF8 is qualified to MIL-DTL-22520/1 and is compatible with the wire range of 12 through 26 AWG. With over a thousand available turret heads, the tool frame can be adapted to very specific military or proprietary contact/wire combinations. The AF8 provides an 8-impression crimp, assuring maximum tensile strength with almost every closed barrel contact. Tool requires a compatible turret head and positioner.

- Dimensions: 9.75 x 2.5 x 1.25 in
- Weight: 15 oz





UH2-5 positioner



TH4 turret head



G125 gauge

EDMO#	MFR#	MIL P/N	USE
COMPATIBLE TURRET HEADS AND POSITIONERS FOR THE AF8.			
TH1A	TH1A	M22520/1-02	Turret head
TH18	TH18	–	Turret head
TH163	TH163	M22520/1-04	Turret head
TH254	TH254	–	Turret head
TH270	TH270	M22520/1-12	Turret head
TH285	TH285	M22520/1-13	Turret head
TH286	TH286	M22520/1-14	Turret head
TH4	TH4	M22520/1-03	Turret head
TH343	TH343	–	Turret head
TH441-1	TH441-1	–	Turret head
TH452	TH452	–	Turret head
TH474	TH474	–	Turret head
TH501	TH501	–	Turret head
TP465	TP465	M22520/1-11	Positioner
G125	G125	M22520/3-1	Go-no-go gauge
UH2-5	UH2-5	M22520/1-05	Universal positioner

**Additional positioner & turret head sizes available, call EDMO for more info.*

AFM8 CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# AFM8
MFR# AFM8



The AFM8 is compatible with most of the miniature and sub-miniature connector types that are widely used in electronic systems. This tool accommodates wire sizes 20 through 32 AWG. It gives a Mil-Standard 8 impression crimp that assures maximum tensile strength while the cycle-controlled precision ratchet assures consistent crimping with each use. Built into the tool frame is an 8-step selector knob that makes it easier to dial in the correct crimp depth setting for the wire being used (see table below for applicable positioners).


K41 turret head


K42 turret head


G125 gauge

- AFM8-KIT includes 1 ea of the following: AFM8, K13-1, K41, K42, 91067-1, 91067-2, 1060026100, and FOAM-AFM8
- AFM8-CASE is a clear case with blue liner and foam insert for the AFM8-KIT

EDMO#	MFR#	USE	MIL P/N
AFM8 POSITIONERS & GAUGES			
K1-S	K1S	Positioner	M22520/2-02
K3	K3	Positioner	M22520/2-05
K13-1	K13-1	Positioner	M22520/2-08
K40	K40	Positioner	M22520/2-07
K41	K41	Positioner	M22520/2-06
K42	K42	Positioner	M22520/2-09
K43	K43	Positioner	M22520/2-10
K60S	K60S	Positioner	M22520/2-03
K106	K106	Positioner	--
K127-1	K127-1	Positioner	--
K127-2	K127-2	Positioner/ deutsch	--
K267-1	K267-1	Positioner	M22520/2-23
K287	K287	Positioner	M22520/2-11
K338	K338	Positioner	M22520/2-13
K339	K339	Positioner	M22520/2-16
K340	K340	Positioner	M22520/2-14
K342	K342	Positioner	M22520/2-17
K342-1	K342-1	Positioner	--
K392	K392	Positioner	--
K532-1	M22520/2-35	Positioner	M22520/2-35
G125	G125	Go-no-go gauge	M22520/3-1
88-200	88-200	Inspection gauge set	--

EDMO#	MFR#	USE
ADDITIONAL COMPATIBLE POSITIONERS		
K181	K181	K series crimp tool positioner
K187	K187	K series crimp tool positioner
K224	K224	K series crimp tool positioner
K250	K250	K series crimp tool positioner
K267	K267	K series crimp tool positioner

EDMO#	MFR#	USE
K323	K323	K series crimp tool positioner
K330-2	K330-2	K series crimp tool positioner
K330-3	K330-3	K series crimp tool positioner
K496	K496	K series crimp tool positioner
K496-1	K496-1	K series crimp tool positioner
K503	K503	K series crimp tool positioner
K673	K673	K series crimp tool positioner
K694	K694	K series crimp tool positioner
K709	K709	M22520/2-37 postioner
K774	K774	K series crimp tool positioner
K809	K809	Contacts, inner pins/sockets T3-46TA08-ID & T3-47TA08-ID.
K817	K817	Positioner/For use with Raychem CTA-0093 Pin Contacts
K817-3	K817-3	K series crimp tool positioner
K817-11	K817-11	K series crimp tool positioner
K818-11	K818-11	K series crimp tool positioner
K1245	51245	K series crimp tool positioner
K1461	K1461	K series crimp tool positioner
K1461-1	K1461-1	Positioner/for use with amphenol 2m contacts
K1561	K1561	Positioner/for use with M39029/92-531 contacts
K1598	K1598	K series crimp tool positioner
K1626	K1626	K series crimp tool positioner
SK2/2	SK2/2	Positioner

WIRING SYSTEM MAINTENANCE KIT

DANIELS MANUFACTURING CORP.

The Wiring System Maintenance Kit contains the tooling to connector, contact, and terminal cross-reference information, which indicates the particular tool(s) that should be selected to repair a specific connector, contact, or terminal. In addition, the kit also contains illustrated operating instructions for the required tooling.


DMC519

EDMO#	MFR#	COMPATIBLE AIRCRAFT
DMC-519	DMC519	Airbus A318, A319, A320, A321, A330, A340
DMC1973	DMC1973	Augusta-Westland AW-139

AFM8 CRIMP TOOL KIT

DANIELS MANUFACTURING CORP.
EDMO# DMC-274
MFR# DMC274

The DMC-274 AFM8 Crimp Tool Kit is designed for precise crimping of electrical connectors and wiring systems. The AFM8 tool delivers a Mil-Standard 4/8 indent crimp, ensuring maximum tensile strength. Complete with 39 K-positioners, an inspection gage, and illustrated instructions, the DMC-274 equips technicians with everything needed for consistent and accurate crimps in demanding applications.



CIRCULAR INDENT CRIMP TOOL

DANIELS MANUFACTURING CORP.

Circular indent crimp tools are used primarily for the outer shield terminations in contacts. The design of certain shielded contacts requires two additional crimping operations. One for the shield crimp sleeve, the other for the outer body. The double-action ratchet only opens after completing the cycle. The single die closure produces a circular impression crimp.



EDMO#	MFR#	DESCRIPTION
GS100-1	GS100-1	Circular indent crimp tool
ACCESSORIES		
GP295	GP295	Turret head positioner

HX4 CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# HX4
MFR# HX4

The HX4 crimp tool uses a system of interchangeable dies that eliminate the need for separate fixed-die crimp tools for each application. The crimping dies are easily snapped into the frame and retained by internal spring clips.

- 11 inches long / 21 ounces
- Mil-spec M22520/5-01



EDMO#	MFR#	MIL-SPEC	WEIGHT	DIE CLOSURE DIMENSIONS			
				A HEX	LENGTH	B HEX	LENGTH
Y102	Y102	M22520/5-55	0.16 lb	0.324	0.400	–	–
Y109P	Y109P	M22520/5-29	0.16 lb	0.324	0.400	0.100	0.400
Y110P	Y110P	M22520/5-25	0.16 lb	0.426	0.400	0.100	0.120
Y137	Y137	M22520/5-35	0.16 lb	0.324	0.400	0.128	0.400
Y138	Y138	M22520/5-37	0.16 lb	0.314	0.400	0.151	0.400
Y140	Y140	M22520/5-41	0.16 lb	0.290	0.400	0.178	0.400
Y141	Y141	M22520/5-43	0.16 lb	0.268	0.400	0.197	0.400
Y142	Y142	M22520/5-19	0.16 lb	0.255	0.400	0.213	0.400
Y143	Y143	M22520/5-45	0.16 lb	0.231	0.400	0.218	0.400
Y144	Y144	M22520/5-47	0.16 lb	0.359	0.400	–	–
Y149	Y149	M22520/5-21	0.16 lb	0.475	0.400	–	–
Y151	Y151	M22520/5-27	0.16 lb	0.532	0.400	–	–
Y152	Y152	M22520/5-04	0.16 lb	0.138	0.090	0.118	0.270
Y178	Y178	M22520/5-61	0.16 lb	0.429	0.400	–	–
Y196	I196	M22520/5-03	0.16 lb	0.128	0.325	0.105	0.325
Y197	Y197	M22520/5-05	0.16 lb	0.213	0.325	0.178	0.325
Y204P	Y204P	M22520/5-09	0.16 lb	0.178	0.400	0.068	0.093
Y205	Y205	–	0.16 lb	0.213	0.400	0.068	0.093
Y205P	Y205P	M22520/5-11	0.16 lb	0.213	0.400	0.068	0.093
Y206P	Y206P	M22520/5-13	0.16 lb	0.255	0.400	0.068	0.093
Y208P	Y208P	M22520/5-59	0.16 lb	0.255	0.400	0.100	0.100
Y209P	Y209P	M22520/5-57	0.16 lb	0.255	0.400	0.100	0.120
Y631	Y631	–	0.25 lb	0.218	0.307	–	–
Y687	Y687	–	0.25 lb	0.255	–	–	–
Y715	Y715	–	0.25 lb	0.260	–	–	–
Y758	Y758	–	0.16 lb	0.242	0.300	0.193	0.192
Y792	Y792	–	0.25 lb	0.260	–	0.039	–
Y1661P	Y1661P	–	0.16 lb	0.208	0.325	–	–
Y1671	Y1671	–	0.16 lb	0.178	0.375	0.042	0.080
Y180	Y180	–	0.16 lb	0.255, 0.151 & 0.105 hex crimp			
Y501	Y501	M22520/5-100	0.16 lb	Pre-insulated terminal crimp 26-10 AWG			
Y527	Y527	M22520/5-101	0.25 lb	Pre-insulated terminal crimp 26-20 AWG			
Y540	Y540	M22520/5-103	0.25 lb	Splice crimp 16-26 AWG			
Y587	Y587	–	0.25 lb	0.380-0.413 & 0.120 circle crimp			
Y588	Y588	–	0.25 lb	0.196-0.219 & 0.077 circle crimp			
Y670	Y670	–	0.25 lb	Confined Crescent for Insulated Terminals 10-12 AWG			
Y671	Y671	–	0.25 lb	Confined Crescent for Insulated Terminals 16-14 AWG			
Y672	Y672	–	0.25 lb	Confined Crescent for Insulated Terminals 18-22 AWG			


Y137


Y140


Y142


Y149


Y197


Y206P


Y209


Y758


Y180


Y501

**Additional die sets available, go online or call EDMO for more information.*

FT8 CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# FT8
MFR# FT8



G261

The FT8 crimp tool is similar to the AF8, with a larger contact opening (.250) for contacts with oversized shoulder diameters. The wire crimp range is 12 to 26 AWG.

EDMO#	MFR#	MIL P/N	USE
FT8 POSITIONERS AND GAUGES			
M22520/3-2	G120	M22520/3-2	Go-no-go gauge
G180	G180	M22520/6-008	Go-no-go gauge
G261	G261	M22520/3-9	Go-no-go gauge
G262	G262	M22520/3/10	Go-no-go gauge
G394	G394	–	Go-no-go gauge
G436	G436	–	Go-no-go gauge
G443	G443	M22520/3-15	Go-no-go gauge
G648	G648	–	Go-no-go gauge
G767	G767	–	Go-no-go gauge
TP1488	TP1488	–	Single Position Head
TP673	TP673	–	Single Position Head

LH8 CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# LH8
MFR# LH8



The LH8 tool produces both conductor and insulation crimps simultaneously on Burndy YHMM series contacts used in many aircraft wiring systems (Boeing contact designations BACC47DE4 & BACC47DE5). It is functionally comparable to the Burndy M10S-1 crimp tool with S1 Die and SL-53 Stop Bushing (combination). The tool comes with a dedicated turret head positioner, LH281. It is gaged with gages G687 for the conductor and G743 for the insulation.

MH860 CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# MH860
MFR# MH860




86-1S

The MH860 is qualified to MIL-DTL-22520/7. This tool supports the majority of electrical systems with one versatile crimp tool frame. In addition, it accepts the entire middle wire range of 16-28 AWG with positioners capable of adapting it to virtually all applications consistent with others in the MIL-DTL-22520 family.

EDMO#	MFR#	MIL P/N	USE
MH860 POSITIONERS & GAUGES			
86-19	86-19	M22520/7-11	Positioner
86-1S	86-1S	M22520/7-02	Positioner
86-11S	M22520/7-09	M22520/7-09	Positioner
86-2	86-2	M22520/7-03	Positioner
86-20	86-20	M22520/7-12	Positioner
86-3	86-3	M22520/7-04	Positioner
86-30-1	86-30-1	M22520/7-14	Positioner
86-37	86-37	--	Universal positioner
86-5	86-5	M22520/7-06	Positioner
86-6	86-6	M22520/7-07	Positioner
86-7	86-7	M22520/7-08	Positioner
G145	G145	M22520/3-3	Go-no-go gauge
K127	K127	--	Positioner

PNEUMATIC INDENT CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# WA22P
MFR# WA22P



The WA22P Pneumatic Indent Crimp Tool provides trouble-free, dependable, and cost-saving operation in both military and proprietary applications. Highly adaptable, this compact and lightweight crimp tool can be used as a hand tool or a high-production bench-top tool. The trigger's design allows for simple operation with either hand. The optional bench mount secures the tool at any angle, providing comfort for the user and reducing fatigue. The calibration remains accurate with a unique, eight-step, machined steel block that holds tolerances longer than standard adjustment screws.

- Eight-gauge setting tool that changes via a selector knob
- Full cycle, ratcheting, control action mechanism
- Easy operation with either hand or use the optional WA10A foot valve with the recommended WA27RF filter/regulator unit
- Crimps contacts from sizes 16 to 22 AWG and wires from 18 to 28 AWG
- Accommodates MH860 positioners

Weight:	2.2 lb
Dimensions:	8 x 2.5 in

WA22 PNEUMATIC INDENT CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# WA22
MFR# WA22



The WA22 Pneumatic Indent Crimp Tool provides trouble-free, dependable, and cost-saving operation in both military and proprietary applications. Highly adaptable, this compact and lightweight crimp tool can be used as a hand tool or a high-production bench tool. The trigger's design allows for simple operation with either hand. The optional bench mount secures the tool at any angle and provides comfort for the user, reducing fatigue. The calibration remains accurate with a unique, eight-step, machined steel block that holds tolerances longer than standard adjustment screws.

- Eight-gauge setting tool that changes via a selector knob
- Full cycle, ratcheting, control-action mechanism
- Easy operation with either hand or use the optional WA10A foot valve with the recommended WA27RF filter/regulator unit
- Crimps contacts from sizes 20 to 28 and wires from 20 to 32 AWG
- Accommodates MIL-standard and commercial Kxxx series positioners

Weight:	2.2 lb
Dimensions:	8 x 2.5 in

WA23 LARGE GAUGE 4 INDENT PNEUMATIC CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# WA22
MFR# WA22



The WA23 heavy-duty pneumatic indent crimp tool functions with the push of a button for operator ease. This crimp tool operates on standard 90–125 psi (5.4–8.16 BAR) shop air sources. It features a full-cycle control system. This tool is portable and needs no extra booster for large-size contacts.

- Qualified to AS22520/23
- Dies sold separately

Weight:	20.1 lb + hose
Dimensions:	17 x 7.3 x 9.3 in
Power:	Compressed Air

EDMO#	MFR#	USE
WA23 DIE ASSEMBLIES AND LOCATORS		
WA23-140DA	WA23-140DA	Die Assembly, 8 AWG
WA23-161L	WA23-161L	Locator, 8 AWG
WA23-2	WA23-2	Die Assembly, 8 AWG
WA23-372L	WA23-372L	Locator, 8 AWG

HYDRAULIC CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# HD51
MFR# HD51



The HD51 medium-duty hydraulic hand crimper is capable of applying 5.5 tons of die force and provides a larger die configuration that extends the range of crimping capabilities to 2/0 AWG conductors. In addition, it reduces the number of handle closures required to complete the crimp with its larger and more efficient hydraulic pump system. It is ruggedly constructed with lightweight materials and weighs in at only 4.6 pounds. Die sets sold separately.

- Automatic relief valve prevents over-compression
- Release lever for relaxing crimp pressure and opening dies
- 180° rotating head for ease in confined work areas
- Wire range: (HD51 and XHD5 models): #12 to #2/0 awg in many power applications, 0.700 (17.78 MM) in coaxial hexagonal crimping

EDMO#	MFR#	SIZE
HD51 DOUBLE INTENT DIE SETS		
HD51-105	HD51-105	Die set/#8 AWG
HD51-106	HD51-106	Die set/#6 AWG
HD51-107	HD51-107	Die set/#4 AWG
HD51-113	HD51-113	Die set/#2 AWG
HD51-118N	HD51-118N	Die set/#8 AWG Uninsulated Terminals
HD51-120N	HD51-120N	Die set/#4 AWG Uninsulated Terminals
HD51-121N	HD51-121N	Die set/#2 AWG Uninsulated Terminals
HD51-123N	HD51-123N	Die set/#1/0 AWG Uninsulated Terminals
HD51-124N	HD51-124N	Die set/#2/0 AWG Uninsulated Terminals
HD51-129	HD51-129	Die set/#2/0 AWG Insulated Terminals
HD51-138	HD51-138	Die set/#2 AWG Uninsulated Terminals
HD51-159	HD51-159	Die set/#2 AWG Insulated Terminals

COMMERCIAL CRIMP TOOLS

DANIELS MANUFACTURING CORP.


DCT4-102

These precision tools constructed of durable high-carbon steel are recommended for R&D prototyping, maintenance, and repair. These crimpers have an angled head for comfortable hand and wrist positions. Ratchet control assures a complete crimping cycle with extra-strength pivot pins for greater durability. Dies are interchangeable, and Crimper features an emergency ratchet release.

EDMO#	MFR#	USE/COMPATIBILITY
DCT4-102	DCT4-102	R/B/Y Insulated terminal crimpe | R&D prototyping, maintenance and repair
DCT4-108	DCT4-108	.068/.213/.255 Hex crimp for 50 ohm commercial BNC and TNC connectors onto RG58, RG59 and RG62/U coaxial cable
COMPATIBLE ACCESSORIES		
G931	G931	Gage Go-No-Go, diameter .0760-.0880

GMT201 GENERAL PURPOSE CRIMP TOOL

DANIELS MANUFACTURING CORP.
EDMO# GMT201
MFR# GMT201



The GMT201 hand crimp tool is perfect for crimping Molex 0.093-inch diameter pin and socket contacts in various sizes ranging from 20-26 and 14-18 AWG.

- For Molex 0.093-inch diameter pin and socket contacts (1189-1190, 1380-1381, 1450-1451, and 1589-1590)

GMT232 COMMERCIAL CRIMP TOOLS

DANIELS MANUFACTURING CORP.



The GMT232 hand crimp tool is perfect for crimping low-profile M81824/1-xx environmental splices, and it is the most popular tool to cover the range of 12 (yellow), 16 (blue), and 20 (red) splices for low-profile environmental splice applications. In addition, this tool is equipped with a locator that is configured to hold the splice in the correct location while either wire is being terminated.

- M22520/37-01 tool for M81824/1 X-splices
- Environmental splices (26-20, 20-16, 16-12)

EDMO#	MFR#	USAGE
POPULAR GMT-SERIES COMMERCIAL CRIMP TOOL OPTIONS		
GMT-221	GMT-221	Rockwell Collins thin-line I & II
GMT202	GMT202	Molex 0.062-diameter standard pin and socket terminals, KK, flat blade and pitch crimp.
GMT203	GMT203	Ratchet hand crimp tool for Molex KK .156 crimp terminals, wire size 18-30 gauge.
GMT206	GMT206	ITT Connon CCT-DL zif connector, series DL
GMT208	GMT208	Tyco Multimate Type III+ series
GMT245	GMT245	Commercial crimp tool
COMPATIBLE GAUGES		
G411	G411	Go-no-go gauge

CRIMPMASTER CRIMP TOOLS

The Crimpmaster crimp tools provide consistent crimping and are equipped with interchangeable dies that are easily swapped out with a screwdriver. Cushioned-grip handles.



EDMO#	MFR#	USE/COMPATIBILITY
30-500	30-500	#22 to #10 AWG (.324mm - 5.261mm) insulated ring tongue terminals and splices (comes with 30-579 die set)
30-502	30-502	RG-58, RG-59/62AU, BNC/TNC 3-Piece hex type connectors (comes with 30-581 die set)
30-506	30-506	RG-58, RG-59/62AU, BNC/TNC 3-Piece hex type connectors (frame only)

CRIMPMASTER DIE SETS

Technicians can add instant versatility to crimp tools with these die sets. These sets are compatible with the Crimpmaster crimp tool frame and are easy to change out with a screwdriver. Provide consistent crimp.



30-579 30-591

EDMO#	MFR#	USE/COMPATIBILITY
30-577	30-577	RG8, N-Series BNC. Interchangeable dies.
30-579	30-579	10-22 AWG (.32 4mm to 5.261 mm) insulated terminals/ color coded nests
30-581	30-581	Combo RG-58, RG59/62, BNC/TNC. Interchangeable dies. Hex hole sizes: .255 in., .213 in. and .068 in.
30-587	30-587	For 50 Ohm and 75 Ohm cables; hex hole sizes 0.213 in, 0.178 in, 0.068 in, and 0.042 in
30-576	30-576	For RG-174, mini 59 BNC/TNC connectors; Three cavity hex die: 0.178 in, 0.128 in, and 0.068 in
30-586	30-586	For non-insulated open barrel commercial connectors; Three-cavity die: 22-12 AWG
30-593	30-593	5 position

CERTI-CRIMP CERTIFIED PORTABLE CRIMP TOOLS

TE CONNECTIVITY

Every CERTI-CRIMP portable tool incorporates features for optimum performance. They include location, straightening, and insulation crimp adjustment features. The crimp design incorporates a percent of compression that optimizes electrical and mechanical performance. Bottoming dies fully bottom independent of operator technique, fatigue, or tool wear. Handles are calibrated to specific pressures, ensuring accurate and consistent crimp force. The reliable ratchet system in all the CERTI-CRIMP tools is an aid to the operator, making sure the die bottoms before the tool opens.

STRAIGHT ACTION HAND TOOL (SAHT)

- Dies close in a straight line
- Insulation crimp adjustment (4 positions)
- Contact locator and support
- Wire stop
- Ejects crimped contact
- Approx. weight: 1.3 lb



EDMO#	MFR#	DESCRIPTION
1901600-2	1901600-2	Strato-therm short handle straight action hand crimp
91504-1	91504-1	Straight action hand crimp; 20-14 AWG
91505-1	91505-1	Strato-therm type III+ straight action hand crimp
91510-1	91510-1	UMNL straight action hand crimp
91512-1	91512-1	Straight action hand crimp; 24-18 AWG
DIE ASSEMBLIES		
576711	576711	Die Assembly, 24-22 AWG

DOUBLE ACTION HAND TOOL (DAHT)

- Dies travel in an arc-like path
- Locator & insulation adjustment on tools for FASTON, MATE-N-LOK, PIDG, and PLASTI-GRIP terminals
- Approx. weight: 1.2 lb



EDMO#	MFR#	WIRE GAUGE	DESCRIPTION
46673	46673	22-16	Strato-therm double action hand crimp
46673-1	46673-1	22-16	Strato-therm double action hand crimp
46447	46447	22-10	Strato-therm double action hand crimp
46988	46988	16-14	Strato-therm double action hand crimp
47386	47386	22-16	PIDG double action hand crimp
47387	47387	16-14, 20-16 HD	Strato-therm double action hand crimp
49935	49935	22-10	Strato-therm double action hand crimp
69363	69363	26-20	Strato-therm double action hand crimp
69376-2	69376-2	–	RG-400 TNC straight/double action hand crimp

HEAVY HEAD HAND TOOL (HHHT)

- Terminates most large coaxial cable and heavy-gage wire
- Dies close in a straight line
- Locator and wire stop when applicable
- Insulation adjustment on tools for AMPLI-BOND, PIDG, and PLASTI-GRIP terminals
- Approx. weight: 2.1 lb



EDMO#	MFR#	WIRE GAUGE	DESCRIPTION
576782	576782	14	Strato-therm heavy head hand crimp tool
59239-4	59239-4	12-10	Heavy head hand crimp
59461	59461	12-10	Strato-therm heavy head hand crimp tool

T HEAD CRIMP TOOL (T-HEAD)

- Dies close in a straight line
- Quick take-up on handle for holding terminal or splice in place
- Adjust insulation crimp with a 4-position screw
- Approx. weight: 1.3 lb



EDMO#	MFR#	WIRE GAUGE	DESCRIPTION
59170	59170	22-14	Red & blue short handle
59250	59250	22-14	Red & blue long handle
59275	59275	26-24	Yellow & white

CERTI CRIMP II TOOL

TE CONNECTIVITY



91529-1

Certi Crimp II single action hand tool securely crimps miniature universal II Mate-N-Lock connector terminals. This premium-quality hand crimp tool is designed to produce consistent, high-quality crimps to exact specifications. A reliable ratchet control mechanism keeps the tool fully engaged and ensuring a complete crimp—eliminating partial crimps.

- Dies close in a straight line
- Contact locator and support
- 4-position insulation crimp adjustment
- Ejects crimped contact
- Max. Insulation Diameter: 0.69 in (1.75 mm)

EDMO#	MFR#	WIRE GAUGE	DESCRIPTION
1901611-1	1901611-1	24-20	Strato-therm long handle straight action hand crimp
91526-1	91526-1	22-18	Straight action hand crimp
91529-1	91529-1	26-22	Long handle straight action hand crimp

CERTI-LOK CRIMP TOOL

TE CONNECTIVITY
EDMO# 169400
MFR# 169400



The AMP Certi-Lok crimping tool uses interchangeable die sets (sold separately). This is a basic tool that uses interchangeable snap-in die sets, which can be easily inserted or removed. Die set EDMO# 169404 crimps AMP red, blue, and yellow insulated terminals and splices (22-12 AWG).

EDMO#	MFR#	DESCRIPTION
COMPATIBLE ASSEMBLIES & DIE SETS		
169403	169403	Locator assembly
169406	169406	Stabilizer assembly
169404	169404	22-10 GA.die set (insulated)



169404

PRO-CRIMPER CRIMP TOOLS

TE CONNECTIVITY



The Pro-Crimper hand crimping tools are commercial-grade tools that provide a wide range of crimping possibilities when paired with the appropriate die set (each die accommodates multiple terminal sizes). The crimp tool's frame has a stationary jaw and handle, a moving jaw and handle, and a ratchet adjustment wheel that ensures full contact crimping. The tool frame holds the die assembly with three crimping sections.

- Carbon steel construction with extra strength pivot pins
- Ratchet control with emergency ratchet release

EDMO#	MFR#	DESCRIPTION/COMPATIBILITY
PRO-CRIMPER II		
58433-2	58433-2	RG-58/59 Frame only | Compatible with all SDE dies
58477-1	58477-1	Pro-Crimper II BNC Wiring Kit
90574-1	90574-1	Frame only; for AMP Universal MATE-N-LOK contacts

EDMO#	MFR#	DESCRIPTION/COMPATIBILITY
PRO-CRIMPER III		
354940-1	3549401	Frame only
58433-1	584331	For crimping 50Ω commercial BNC and TNC plugs and jacks onto RG 58/U, RG59/U and RG 62/U cable
58433-3	584333	Includes crimping tool frame 354940-1 and die assembly 58423-1 for RBY terminals
58448-2	58448-2	Includes crimping tool frame 354940-1 and die assembly 58448-3 for AMPLIMITE 28AWG to 20AWG HDP-20 connector contacts.
58495-1	584951	Includes crimping tool frame 58495-1 with die assembly 58495-2 for crimping Multimate Type III(+) and Type VI Contacts.
58529-1	58529-1	Includes crimping tool frame 354940-1 and die assembly 58529-2
PRO-CRIMPER II DIE ASSEMBLIES		
58425-2	58425-2	For Coaxial Connectors
58435-1	58435-1	BNC/TNC/ RG-58/59/62/ Includes two ferrule crimp section and two center contact crimp sections. The crimp sections are marked to identify the cable sizes used with the connectors
58436-1	58436-1	BNC, TNC. For use with RG-58, RG-59, RG-62 and use with crimp tool 58433-2
91901-1	91901-1	BNC. For use with RG-55B
220189-3	220189-3	For RG-58/141/142
PRO-CRIMPER III DIE ASSEMBLIES		
58423-1	58423-1	For terminals and splices. Consists of an anvil and indenter; when closed, the dies form three crimping chambers. Dies are secured within the tool frame with screws.
58495-2	58495-2	For pins and sockets. Consists of crimping dies and a locator assembly with a wire anvil, and insulation anvil, wire crimper, and insulation crimper
90574-2	90574-2	For Commercial MATE-N-LOK Contacts
91902-1	91902-1	For use with 50-Ohm C, HN, N, and TNC COAXICON Connectors and RG-142/400.

AD-1377 HAND CRIMPING TOOL

TE CONNECTIVITY
EDMO# 311976730
MFR# AD-1377-CRIMP-TOOL-3-CVTY



The AD-1377 hand crimping tool from TE is designed for MiniSeal splices. It has a pre-set crimp depth that provides the optimum combination of tensile strength and insulation integrity in the finished splice. The ratcheted release ensures full closure of the tool to help prevent undercrimping.

- Crimps MiniSeal splices, covering a wire range from 26 to 12 AWG
- Designed for an easy and smooth effort
- Inside cavities are polished to bring maximum reliability to the crimping operation

Weight:	12.3 oz.
Dimensions:	9 in approx.

EDMO#	MFR#	DESCRIPTION
AD-1377 GAUGES		
AD-1386	992013-000	Calibration Gauge

ROTA-CRIMP HAND TOOL

TE CONNECTIVITY
EDMO# 601075
MFR# 601075



The Rota-Crimp hand tools work with large uninsulated SOLISTRAND and tubular terminals and splices, as well as Cable Maker battery terminals and pre-insulated PLASTI-GRIP and TERMINYL terminals and splices wire sizes 8 through 4/0 AWG (see table for details). These tools have two fixed rotating crimping dies that are held in place by spring-loaded indexing pins. Each die is positioned using a spring-loaded die locator pin.

- Tubular steel handles with rubber grips

HYDRAULIC HAND TOOL

TE CONNECTIVITY



59974-1

The hydraulic hand tool is designed to crimp 8-2 AWG insulated and non-insulated terminal splices with a pressure of up to 8,200 psi. The hand tool has a stationary lever and a movable lever. These levers are compressed to pump hydraulic fluid behind the ram, moving it forward and thereby closing the dies. After the crimping is complete, the movable lever is turned to depress the plunger, and the moving die retracts to its original position, completing the crimping cycle. Crimping dies are not included.

EDMO#	MFR#	DESCRIPTION
59974-1	599741	8200 psi, 8-2 AWG
HYDRAULIC HAND TOOL CRIMP HEADS AND DIE ASSEMBLIES		
47820	47820	Die assembly, 8 AWG, used with crimp head 69051 or hand tool 59974-1
69099	69099	Crimp head, 12-10 AWG, 350 MCM, 18 ton output force

SHIELD-KON HAND CRIMPING TOOL

Crimp Tool for Shield-kon non-insulated outer sleeve GSC connectors up to 0.348 I.D. and insulated outer sleeve GSR connectors up to 0.297 I.D.



- Length: 8 in
- Weight without dies: 1 lb

EDMO#	MFR#	DESCRIPTION
WT440	WT440	Shield-kon hand crimping tool with parallel action crimp
ACCESSORIES		
4411	4411-SK	Die set for use with WT440 tool

MOLEX HAND CRIMP TOOL

EDMO# W-HT-1919
MFR# W-HT-1919



Molex hand crimp tool that also cuts and strips wire and cuts bolts. 8.25 inches in length with a red handle.

- Cuts wire ranges: 14-24 AWG
- Cuts bolts (sizes): 4-40, 5-40, 8-32, 10-24, 10-32
- Crimps terminals: 0.093" pin diameter terminals, standard KK crimp; terminals for 0.156" center KK housings, series #1189/1190, series #1380/1381, series #2478

MOLEX CRIMP TOOL

EDMO# 63811-1000
MFR# 63811-1000



Universal hand crimping tool with ergonomic, soft grip handles. For use with wire ranges 14-24 AWG (accepts material thicknesses of 0.15-0.40 mm and conductor barrel lengths of 2-3.5 mm).

MOLEX RATCHET CRIMPER

EDMO# 63811-6600
MFR# 63811-6600



The 63811-6600 hand crimp tool is a full-cycle ratcheting hand tool for use with KK center crimp terminals, 18-30 AWG. This tool is ergonomically designed with soft handles and an outstanding force ratio for easier handling.

- Frame equipped with a user-friendly terminal locator wire stop that holds terminals in the proper crimping position
- WHMA-IPCA620 Class 2 and RoHS compliant

MOLEX RATCHET HAND CRIMP TOOLS

The 63819 series hand crimp tools are full-cycle ratcheting hand tools that ensure complete crimps. These tools are ergonomically designed with soft handles and an outstanding force ratio for easier handling. The frames are also equipped with a user-friendly terminal locator wire stop that holds terminals in the proper crimping position.



63819-0000

- WHMA-IPCA620 Class 2 and RoHS compliant
- Right and left-handed applications

EDMO#	MFR#	WIRE SIZE	USE WITH
63819-0000	638190000	20-30 AWG	Micro-fit crimp terminals
63819-0800	63819-0800	24-30 AWG	Pin/Socket & SPOX
63819-0900	63819-0900	16-24 AWG	Mini-Fit Jr. crimp terminals
63819-1300	63819-1300	18-24 AWG	Standard 1.57mm pin/socket crimp terminals

MOLEX SERVICEGRADE RATCHET CRIMPER

EDMO# 64016-0035
MFR# 64016-0035

The 64016-0035 hand crimp tool is a full-cycle ratcheting hand tool that crimps 10-22 AWG terminals and splices. The sturdy construction and comfortable, anti-slip handle grips make this tool the perfect companion for low-volume field repairs.



- Full cycling ensures complete crimps
- Small handle spread—ideal for all users
- Crimp release for operator safety

AMT4001 CRIMP TOOL

EDMO# AMT4001
MFR# AMT4001



The AMT4001 crimp tool is a fast, manually operated tool for crimping AS7928 ring terminals and splices for wire sizes 26 through 14. A ratchet-controlled crimp ensures full crimp force and closure is applied. The handles will not open until they have been fully closed and the crimp completed. The tool is equipped with a locator to hold terminals and splices in place for crimping.

SERVICE CRIMP HAND TOOL

TE CONNECTIVITY
EDMO# 696202-1
MFR# 696202-1



This Service Crimp Hand Tool crimps various open-barrel and closed-barrel terminals, contacts, and splices with or without insulation support and Tab-Lok FASTON flag terminals. The 696202-1 tool will also cut bolts of various common U.S. thread configurations.

OPEN/CLOSED BARREL & FLAG TERMINAL CRIMPER

EDMO# 25E TOOL
MFR# IE-150



The 25E 10-22 AWG Open/Closed Barrel and Flag Terminal Crimper is an open and closed barrel plus flag terminal crimp service tool. It features insulated and non-insulated crimp stations as well as bolt and screw sizing and cutting stations.

CRIMPER/CUTTER TOOL

EDMO# 18E
MFR# 18E



The 18E is an all-purpose tool that strips and cuts wires, crimps terminals, and cuts bolts. The stripper section strips: 22-20, 18, 16, 14, 12, & 10 AWG wire. Crimps insulated and non-insulated terminals in the following sizes: 22-14, 12-10 AWG. The bolt cutter section cuts the following size bolts: 4-40, 6-32, 8-32, and 10-32. Features Air-Pocket cushion grips.

- Length: 8.75 inches

HEX COAXIAL CABLE CRIMP TOOL KIT

PASTERNACK ENTERPRISES
EDMO# PE5004-KIT
MFR# PE5004-KIT



For use with RG6, RG8, RG11, RG58, RG59, RG174, RG179, RG213, RG223, RG316, RG400. Hex Size: 0.042, 0.068, 0.080, 0.100, 0.128, 0.151, 0.178, 0.213, 0.255, 0.324, 0.429.

WIRE CUTTERS & PLIERS

ADJUSTABLE SOFT JAW PLIERS

DANIELS MANUFACTURING CORP.



Provides a reliable gripping function for assembly, disassembly, and positioning of circular and oval parts.

EDMO#	MFR#	DESCRIPTION
BT-SJ-468	BT-SJ-468	Adjustable soft jaw pliers
BT-SJ468-1	BT-SJ-468-1	Replacement jaw insert

SAFE-T-CABLE DIAGONAL WIRE CUTTERS

DANIELS MANUFACTURING CORP.
EDMO# 45-6N
MFR# 45-6N



The 45-6N cutter/gripper tool is for use with 0.022, 0.032, and 0.040 Safe-T-Cable and Lockwire cable diameters.

MG-1300 CABLE TIE CUTTER

EDMO# MG-1300
MFR# MG-1300



Cable tie cutter with two safety guards that slide behind the cable tie strap for simple removal without the risk of damaging bundled cables or wires. Ergonomic, cushioned grips.

ANGLED FLUSH CUTTER

COOPER TOOLS
EDMO# GA54-J
MFR# GA54JV



29-degree angled diagonal cutter with flush cut. For cutting directly above the work area. Features green cushion grips.

LOW PROFILE SHEAR CUTTER

XCELITE
EDMO# 170M
MFR# 170M



General-purpose cutter with superior blade by-pass shear cutting action. Better cuts with half the effort and greatly reduced mechanical shock delivered to the work. 5 in length with red grips.

HEAVY DUTY SHEAR CUTTERS

XCELITE



Heavy-duty for IC pins, cables, and harnesses. Maximum durability and operator safety. Flush cuts soft wire up to 14 AWG. 5-5/8 in length with red grips.

EDMO#	MFR#	DESCRIPTION
1178M	1178M	Without safety clip
2178M	2178M	With safety clip

SERRATED LONG REACH PLIERS

XCELITE
EDMO# 378M
MFR# 378M



Long-reach pliers with serrated jaws and a thin profile for use in precision electronic assembly applications.

THREE-IN-ONE SAFETY WIRE PLIERS



WWP109

The safety wire pliers combine a standard plier, safety wire twister, and wire cutter. They are machined from hardened alloy steel with a black oxide finish. Featuring a locking grip and cutting edge. The tapered nose allows use where standard tools will not fit. One-handed operation is very simple: grasp the wire and lock the pull knob to twist and squeeze to unlock.

EDMO#	MFR#	DESCRIPTION
WWP109	WWP109	9 inch safety wire pliers
WWP109A	A109A	6 inch safety wire pliers

WIRE & CABLE STRIPPERS

PNEUMATIC WIRE STRIPPER

DANIELS MANUFACTURING CORP.
EDMO# WSP-1630
MFR# WSP-1630



The WSP-1630 pneumatic wire stripper is for hand-held stripping of most insulated wire from 16-30 AWG. The tool accommodates Custom Stripmaster and Custom Steel Stripmaster industry standard blades and pads. The wire stripper features a 360-degree rotatable head section that enables positioning of the head to the most comfortable position for left- or right-handed operators.

- Compact—allows a hand-held tool to be used in confined areas (7 x 2.5 in).
- Lightweight construction (1.5 pounds)
- Pneumatic actuation system minimizes operator fatigue and carpal tunnel injuries
- Adjustable Speed Control allows the operator to regulate the speed of the stripping operation by simply rotating the adjustment collar, which is a part of the air hose.

TSK8000 TWIST STRIP TOOL

DANIELS MANUFACTURING CORP.



The TSK8000 Twist-Strip tool is designed to make precise cuts to the jacket of shielded, multi-conductor twisted cable and provides a quick, safe, accurate, and repeatable method for preparing avionic wiring harnesses and other cable types. Precise blade adjustment, zero friction roller bearing design, articulating/locking arms, and interchangeable dies make the Twist-Strip a user-friendly and efficiently designed tool. The TSK8000 uses custom dies (sold separately) with adjustable cutting blades that compensate for irregularities in the cable jacket. The dies are engineered with a track that matches the contour of the cable's outer jacket to provide a controlled rotation of the tool and guides the cutting blades along the length of the cable.

EDMO#	MFR#	DESCRIPTION
TSK-8000	TSK8000	Adjustable Twist-Strip tool (die sets sold separately)
DIE ASSEMBLIES		
TSD1080	TSD2080	.071 - .080-inch, 2 inner conductor cable
TSD1090	TSD2090	.081 - .090-inch, 2 inner conductor cable
TSD2120	TSD2120	.111 - .120-inch, 2 inner conductor cable
TSD2130	TSD2130	.121 - .130-inch, 2 inner conductor cable
TSD2140	TSD2140	.131 - .140-inch, 2 inner conductor cable
TSD2150	TSD2150	.141 - .150-inch, 2 inner conductor cable
TSD2160	TSD2160	.151 - .160-inch, 2 inner conductor cable
TSD3120	TSD3120	.111 - .120-inch, 3 inner conductor cable
TSD3130	TSD3130	.121 - .130-inch, 3 inner conductor cable
TSD3140	TSD3140	.131 - .140-inch, 3 inner conductor cable
TSD3150	TSD3150	.141 - .150-inch, 3 inner conductor cable

ELECTRICAL WIRE STRIPPER PLIERS

XCELITE
EDMO# 105SCGV
MFR# 105SCGV



This wire cutter and stripper features a spring lock and cushioned gripped handles. It will cut and strip wires from 20 to 10 AWG.

STRIPMASTER WIRE STRIPPER SERIES



45-098

The Stripmaster and Stripmaster Lite have knife-type blades and easily strip wire up to 7/8 in. The wire gripper holds the wire centered in the hole and helps to prevent nicking, cutting, and fraying the wire. This efficient tool uses spring-loaded tension and requires one third less hand pressure for each strip.

EDMO#	MFR#	USE/COMPATIBILITY
45-091	45-091	10-18 AWG with knife-type blades (PVC vinyl insulations)
45-092	45-092	10-22 AWG with knife-type blades
45-093	45-093	14-22 AWG with knife-type blades
45-097	45-097	16-26 AWG with knife-type blades
45-098	45-098	20-30 AWG with knife-type blades
STRIPMASTER LITE		
45-672	45-672	24-30 AWG with knife-type blade
ACCESSORIES		
L-4994	L-4994	Blade set for 45-097 Wire Stripper

CUSTOM STRIPMASTER



45-174

The Custom Stripmaster wire strippers strip solid or stranded wire with durable die-type blades that allow for precision stripping. Each stripper is equipped with a grit pad, a counterbored hole sized for insulation, and an inner stripping hole sized for conductors. The counterbored hole acts as a collet, which compresses the insulation slightly to center the conductor and prevents the blade-cutting surface from contacting the surface of the conductor. The ergonomically shaped comfort grip handles are fitted with replaceable grippers.

EDMO#	MFR#	USE/COMPATIBILITY
45-1654	45-1654	16-26 AWG | Lockheed CO1-1185C. Kapton 9 MIL Unilay.
45-171	45-171	16-26 AWG die-type blades | For PVC and other miscellaneous insulations. Comes with grit pad.
45-173	45-173	10-14 AWG die-type blades | For PVC, EE M16878 1000V, and other miscellaneous insulations. Contains counterbored hole sized to insulation and inner stripping hole sized to conductor. Comes with grit pad.
45-174	45-174	16-26 AWG | Comes with grit pad.
45-176	45-176	10-14 AWG die-type blades | For type #M16878 600V. Contains counterbored hole sized to insulation and inner stripping hole sized to conductor. Comes with grit pad.
45-177	45-177	16-26 AWG die-type blades | For type E M16878 600V. Contains counterbored hole sized to insulation and inner stripping hole sized to conductor.
45-1610	45-1610	16-26 AWG
45-1611	45-1611	10-14 AWG
45-1987	45-1987	16-26 AWG
45-2025	45-2025	16-24 AWG
45-2125	45-2125	26-20 AWG
45-2133	45-2133	16-14 AWG, 5-hole blade
L-9038	L-9038	16-30 AWG | Internal spring for additional blade penetration. Without blades.
L-9039	L-9039	10-14 AWG | Internal spring for additional blade penetration. Without blades.
ACCESSORIES		
45-1610-1	45-1610-1	Blade set for 45-1610
45-1611-1	45-1611-1	Blade set for 45-1611
45-1987-1	45-1987-1	Blade set for 45-1987
45-2541-1	45-2541-1	Blade set for 45-2541 Wire Stripper
L5211	L-5211	Blade set for 45-171 and 45-181.
L5212	L5212	Replacement gripper slug pads, movable

EDMO#	MFR#	USE/COMPATIBILITY
L5217	L-5217	Replacement gripper slug pads, stationary for 16-30 AWG
L5270	L-5270	Wire stop assembly with transparent adjustable wire stop
L5560	L-5560	Blade set for 45-177 | 1.55mm through .584mm.
L5563	L-5563	Blade set for 45-174 | 1.55mm through .584mm. Type EE M16878 1000V.
LB-730	LB-730	Replacement parallel type gripper pads

FIXED BLADE RINGER CABLE STRIPPERS

Strips most non-round shielded cable, including Kapton®, Kynar®, Teflon®, Tefzel, and high-temperature insulated cable. The spring-loaded head provides even tension, and fixed blades are sized to insulation for accurate stripping.


45-400


45-402


45-403

EDMO#	MFR#	COLOR	CABLE SIZE
45-400	45-400	Blue	Up to 0.12 in
45-402	45-402	Yellow	0.12 to 0.22 in
45-403	45-403	Red	0.12 to 0.22 in
COMPATIBLE BLADES			
K-6491	K-6491	Blade set with cutting depth of .0030	
K-6493	K-6493	Blade set with cutting depth of .0060	
K-6494	K-6494	Blade set with cutting depth of .0070	
K-6495	K-6495	Blade set with cutting depth of .0080	
K-6497	K-6497	Blade set with cutting depth of .0100	
K-6499	K-6499	Blade set with cutting depth of .0120	
K-6500	K-6500	Blade set with cutting depth of .0130	
K-6501	K-6501	Blade set with cutting depth of .0140	
K-6505	K-6505	Blade set with cutting depth of .0220	
ACCESSORIES			
LB-825	LB-825	Replacement wire stop with strip length up to 2 ½ in	

MG-1400 CABLE TIE CUTTER/WIRE STRIPPER

EDMO# MG-1400
MFR# MG-1400



The MG-1400 removes cable ties and lacing cords and strips 10 to 22-gauge wire in one tool. Safety guards slide behind the strap or lacing cord and prevent the blades from making contact with the wire. Ergonomic, cushion-grip handles are designed for comfort and allow for natural hand motion during use.

T-6 SERIES WIRE STRIPPERS

The T-6 wire stripper is made of a tough steel construction with form-ground, hardened, knife-type blades for accurate stripping. The wire range is from 14 to 24 AWG solid wire and 16 to 26 AWG stranded.


45-121

- Built-in wire cutter and wire looping holes
- Plier nose for extra gripping strength
- Laser-etched wire gauge markings
- Spring-loaded automatic opening

EDMO#	MFR#	DESCRIPTION
45-121	45-121	14-24 AWG solid | 16-26 AWG stranded
45-416	45-416	14-24 AWG solid | 16-26 AWG stranded (ergonomic handle)

T-7 SERIES WIRE STRIPPERS

EDMO# 45-125
MFR# 45-125



The T-7 T-Stripper wire stripper features form-ground, knife blades to provide accurate and easy wire stripping without nicking the conductor. This tool is constructed with tough steel material and a black oxide finish to provide corrosion resistance. Laser-etched wire markings make it easy for users to read wire gauge markings on the tool.

- Spring-loaded automatic opening
- Corrosion-resistant, black oxide finish
- Strips 22-30 AWG solid, 24-32 AWG stranded

COAXIAL STRIPPER

EDMO# 1490490-1
MFR# 1490490-1



This coaxial stripper has 3 blades and is designed to strip RTG-6, 58, and 59 cable in one step. Replaceable blade cartridges.

COAXIAL STRIPPERS

These strippers are for use with twisted-pair wire, tightly wrapped stranded cables, CATV cable, CB antenna cable, SO, SJ, SJT, and other types of flexible power cords. Adjustable blades can be set for any depth to help ensure nick-free strips. Includes three straight and one round blade.


45-162

EDMO#	MFR#	CABLE SIZE
45-162	45-162	Up to 1/8 in
45-163	45-163	1/8 - 7/32 in
45-164	45-164	1/4 - 9/16 in
45-165	45-165	3/16 - 5/16 in
ACCESSORIES		
L9225	L-9225	Replacement blade for 45-162, 45-163, 45-165

PREPPRO COAX/UTP CABLE STRIPPER

EDMO# 45-605
MFR# 45-605



The PrepPRO™ Coax/UTP cable preparation tool eliminates the need to carry multiple cable prep tools as well as the need to make adjustments based on the type of coax cable. A fixed blade height combined with an optimized design cuts cleanly through cables in as little as two rotations of the tool. The spring-loaded jaw design provides a continual balance of force required to cut a variety of cables quickly and cleanly. The PrepPro cable tool has a contoured body with a spinner ring that fits neatly into pockets and clips onto clothing, with a flat side that prevents the tool from getting stuck in tool poaches. The tool has a prep-and-pull design that allows users to remove the cable slug if desired. The lever can be actuated with the thumb or palm grip, and a secondary chamber stores spare cartridges. Also included is a UTP/STP cartridge for removing the outer jacket of twisted-part cabling CAT3/5e/6.

3-STEP COAXIAL STRIPPER

EDMO# 45-520
MFR# 45-520

The 2-step coaxial stripper is adjustable to strip up to 0.24 in for popular dual-crimp BNC and TNC connectors. Replaceable cassettes.



EDMO#	MFR#	DESCRIPTION
HP-2	HP-2	Add-A-Nut Kit
ACCESSORIES		
HP-23	HP-23	6-32 puller
HP-24	HP-24	8-32 puller
HP-25	HP-25	10-32 puller
HP-26	HP-26	4-40 puller
HP-30A	HP-30A	4-40 nose piece



HAND TOOLS

PISTOL GRIP HAND TOOL

TE CONNECTIVITY

These tools terminate one unstripped wire per cycle and index the connector to the next terminating position. The head rotates to permit optimum access to the wiring area.



EDMO#	MFR#	DESCRIPTION
58074-1	58074-1	Manual pistol grip handle without head
ACCESSORIES		
58082-1	58082-1	Head assembly
58247-1	58247-1	Interchanging head | For MTA-156 receptacle connectors

ONE-STEP BAND APPLICATION TOOL

The DBS-2100 is a one-step banding tool designated for M85049/128-3, M85049/128-4, M85049/128-7, and M85049/128-8 "stamped buckle" bands. This tool tensions, bends, and cuts the band in one operation. The cut-off tab is rolled over a full 180 degrees.

- Tension-lock system
- Built to SAE AS81306/1 specifications
- Constructed to survive the demands of production and maintenance use
- Remains precisely adjusted to provide a quality band termination



EDMO#	MFR#	WEIGHT	BAND WIDTH
DBS-2102	DBS-2102	5 lb	0.250 in
DBS-2202	DBS-2202	5 lb	0.125 in

ADD-A-NUT KIT

ADD-A-NUT

Add-A-Nut makes installing Riv Nuts and Nut Serts an easy task. The HP-2 kit comes complete with all the necessary items needed to install Riv Nuts and Nut Serts sizes 6-32, 8-32, and 10-32 in a high-impact plastic storage case.



TWO-STEP BAND APPLICATION TOOL

EDMO# DBS-1100
MFR# DBS-1100

Two-Step Banding Tools are designated for M85049/128-1, M85049/128-2, M85049/128-5, and M85049/128-6 "welded buckle" bands. These tools tension and cut the band and leave an extended cut-off tab. The second step provides an extra level of security by utilizing a roll-over tool to bend the cut-off tab over a full 180 degrees in a second operation.



- Works with the DBS-R03 (M81306/2-01C) rollover tool for 0.250 wide bands
- Adjustable to ensure current tension
- Patented a compression fixture system using a go/no-go gage to measure the tool tension

Weight:	1.4 lb
Dimensions:	1.38 x 5.5 x 7.5 in
Tension Range:	140-160 lb

HEAT GUNS

HL2020E 1600W HEAT GUN

STEINEL AMERICA, INC.

The HL2020E heat gun features a 1,600-watt ceramic heating element that is electronically controlled via a toggle that regulates the temperature between 120°F and 1,150°F, which is displayed on an LCD display. A residual heat indicator warns users when the nozzle is still hot. The adjustable heat and powerful blower make this heat gun ideal for heat shrinking tubes, sleeves, and welding. The weight is optimized and balanced to reduce fatigue and provide comfort to the user.



EDMO#	MFR#	DESCRIPTION
HL2020E	HL 2020 E	HL2020E heat gun with LCD display
HL2020E-C	HL 2020 E	HL2020E heat gun with LCD display and case

HL1920E 1500W HEAT GUN

STEINEL AMERICA, INC.



The HL1920E digital precision heat gun features a 1,500-watt ceramic heating element with variable temperature adjustment ranging from 120°F to 1,150°F, while airflow is controllable in three stages. The weight is optimized and balanced to reduce fatigue and provide comfort to the user. The thermal cut-out prevents overheating. Features include a rubber stand and built-in hanger.

EDMO#	MFR#	DESCRIPTION
HL1920E	HL 1920 E	HL1920E heat gun
HL1920E-C	HL 1920 E	HL1920E heat gun with case

HL1820S 1400W HEAT GUN

STEINEL AMERICA, INC.



The HL1820S heat gun features a 1,400 watt, three-stage ceramic heating element with adjustable temperature settings of 120°F, 750°F, or 1,100°F and airflow settings at 4, 7, or 13 cfm. The weight is optimized and balanced to reduce fatigue, while the ergonomic handle provides optimal grip and comfort to the user. The thermal cut-out prevents overheating, and the HL1820S can be used with all industry standard nozzles for de-icing, drying, shaping, and heat shrink applications.

EDMO#	MFR#	DESCRIPTION
HL1820S	HL 1820 S	HL1820S heat gun
HL1820S-C	HL 1820 S	HL1820S heat gun with case

HL1620S 1300W HEAT GUN

STEINEL AMERICA, INC.



The HL1620S heat gun is an excellent tool for drying plaster work, heat shrinking tubes and sleeves onto cables, thawing frozen water, or stripping paint. It weighs only 1.48 pounds and features a 1,300-watt, two-stage heating element with adjustable temperature/airflow settings of 575°F or 950°F and 8 or 13 cfm. The heat gun's weight is balanced to reduce fatigue and includes an integrated thermal cutout that protects the unit from overheating.

EDMO#	MFR#	DESCRIPTION
HL1620S	HL 1620 S	HL1620S heat gun
HL1620S-C	HL 1620 S	HL1620S heat gun with case

HG2320E 1600W HEAT GUN

STEINEL AMERICA, INC.



The HG2320E digital precision heat gun features a 1,600 watt ceramic heating element with variable temperature adjustment from 120°F to 1,200°F via a toggle to provide precise temperature control. The LCD display, along with the residual heat indicator, provides users maximum flexibility with four individually selectable and customizable programs. A LOC function locks out the controls to prevent accidental changes. This heat gun can be used with the various push-on nozzles and a range of accessories, which make it an excellent choice for working on heat-sensitive objects. The heat gun is also available in an ESD version for use in electrostatically sensitive areas.

EDMO#	MFR#	DESCRIPTION
HG2320E	HG 2320 E	HG2320E heat gun
HG2320E-C	HG 2320 E	HG2320E heat gun with case

HG 2320 ESD 1600W HEAT GUN

STEINEL AMERICA, INC.
EDMO# HG2320ESD
MFR# HG 2320 ESD



The HG 2320 ESD is suitable for use in electrostatic protected areas (EPA). ESD (electrostatic discharge) is the transfer of an electric charge that takes place when two objects that have been charged to different electric potentials or have different electric potentials due to static induction are brought into contact with each other. This discharge can cause product defects as well as equipment failures, but the HG 2320 ESD has a conductive housing that will not build up or hold a static charge when used in EPA. Combined with all the features of the HG 2320 E, such as precision temperature control, the LOC feature, and customizable programs, this is the ultimate ESD-safe tool.

HG2520E 1750W HEAT GUN

STEINEL AMERICA, INC.
EDMO# HG2520E
MFR# HG 2520 E



The HG2520E is equipped with a powerful and extremely durable brushless motor that produces hot air up to 3,000 Pa with absolute precision. The 1,750 watt ceramic heating element temperature can be varied by toggle with one hand in 10 °F steps and read from the clear LCD information display at any time. It's just as easy to adjust the airflow rate between 2 and 13 cfm and select any of the four individually tailored programs. Weighting in at a mere 1.85 lbs, this professional hot air tool is perfect for construction site use and uses professional standard nozzles.

HG2620E 1750W INTELLITEMP HEAT GUN

STEINEL AMERICA, INC.



The HG2620E features 1750 W of power; the hot air tool is controlled by a toggle in 10 °F steps between 120 and 1300 °F with four individually tailored programs. The temperature is indicated on the LCD information display, where it is easy to read at any time. The airflow rate is continuously variable between 2 and 13 cfm and is easy to adjust. Full air-pressure power is 3,000 Pa. The powerful brushless motor gives our flagship tool a working life of over 10,000 hours.

EDMO#	MFR#	DESCRIPTION
HG2620E	HL 2620 E	HG2620E variable heat gun
HG2620E-C	HG 2620 E	HG2620E variable heat gun with case

HG2220E 1500W HEAT GUN

STEINEL AMERICA, INC.
EDMO# HG2220E
MFR# HG 2220 E



The HG2220E heat gun features a powerful 1500 W ceramic heating element that heats the flow of air across a continuously variable temperature range of 167–1166°F (80–630°C) via an easily adjustable thumbwheel. Nozzles are push-on and simple to attach. Features a fine dust filter and long-life brush motor.

STEINEL HEAT GUN ACCESSORIES

STEINEL AMERICA, INC.

EDMO#	MFR#	DESCRIPTION
REFLECTOR NOZZLES		
07051	07051	Reflector nozzle 39mm
07061	07061	Reflector nozzle 9mm
07461	110048752	Reflector nozzle 14mm
110038725	110038725	Sieve reflector nozzle 50 x 35 mm for HG 2620 E, HG 2520 E
110038726	110038726	Sieve reflector nozzle 35 x 20 mm
110039167	110039167	Reflector nozzle 20 mm
110039168	110039168	Reflector nozzle 35 mm
110039169	110039169	Soldering reflector nozzle
110039170	110039170	Shell reflector nozzle 150 x 25 mm
110039171	110039171	Hinged reflector nozzle 72 x 70 mm
110039174	110039174	Sieve reflector nozzle 85 x 85 mm
110039175	110039175	Shell reflector nozzle 250 x 45 mm
110048646	110048646	Reflector nozzle 9mm
REDUCER NOZZLES		
07062	110050176	Reducer nozzle 9mm
07071	07071	Reducer nozzle 14mm
07082	07082	Pinpoint reducer nozzle
09231	110048653	Reduction nozzle 10mm
110037033	110037033	Reducer nozzle 6mm
WELDING NOZZLES		
110038331	110038331	Speed welding nozzle 3 mm
110038332	110038332	Speed welding nozzle 4 mm
110038333	110038333	Speed welding nozzle 5 mm
110038676	110038676	Speed welding nozzle 3 mm with narrow air slot
110039166	110039166	Speed welding nozzle 5 mm with narrow air slot
FLAT, ANGLED, & ROUND NOZZLES		
106934900	106934900	Flat angled nozzle 20x2 mm, 100 degrees
107082800	107082800	Flat angled nozzle straight, 20x2mm
110038668	110038668	Round nozzle extended 5 mm
110038670	110038670	Flat nozzle perforated 40x2 mm
110038674	110038674	Flat nozzle 60x2 mm, for use with bitumen
110039176	110039176	Flat angled nozzle 30x2 mm, 60 degrees
ACCESSORIES		
02120	110049602	Heating element for HL2010E
07101	110048649	Lap welding slit tip 20mm
110028581	110028581	HL scan for use with Steinel heat guns
110028647	110028647	Dust particle filter for HG2320E, HL2020E, HL1920E and HL1820S
110033508	110033508	Temperature scanner HG scan pro for HG2620E
110033594	110033594	Temperature scanner HG scan pro for HG2520E
110036523	110036523	Case for use with pistol tools
110036731	110036731	Case for use with barrel tools
110038728	110038728	Tarpaulin scissors
110039165	110039165	Fillet weld feeder
110047650	110047650	HL light for use with HL2320E, HL2020E, HL1920E and HL1820S
110048202	110048202	Pressure roller, brass, 30 mm
110048203	110048203	Pressure roller, teflon roller33 mm
01483	01483	Industrial security hanger for use with all Steinel Professional Heat Guns except for the HL1610S
110045172	110045172	Plastic hanger for use with flexible hot air tool stand
110049032	110049032	Metal heat gun stand

HEAT GUN KITS

STEINEL AMERICA, INC.



110051533

Steinel Heat Gun Kits combine high-powered ceramic heating elements with precision control for a wide range of applications. The HL1920E, HL2020E, and HG2320E models offer adjustable temperatures from 120°F to up to 1,200°F, with variable airflow and user-friendly features like thermal cut-outs, LCD displays, and residual heat indicators. Designed to reduce fatigue, these heat guns are balanced and lightweight, perfect for precision tasks like heat shrinking, welding, and working with heat-sensitive objects. Each model also supports various nozzles and accessories, enhancing versatility for specialized projects.

EDMO#	MFR#	DESCRIPTION
110051533	110051533	Electronics Kit | Includes: HG2320E heat gun, 9 mm reflector nozzle, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, catalog, and heavy duty carrying case.
110051534	110051534	Multi Purpose Kit | Includes: HG2320E heat gun, 9 mm reflector nozzle, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, welding nozzle, plastic welding rod assortment, plastic welding booklet, catalog, and heavy duty carrying case.
110051537	110051537	Automotive Kit | Includes: HL2020E heat gun, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, 20 mm reduction nozzle, 75 mm window nozzle, PP plastic welding rods, plastic welding book, auto body welding DVD, catalog, and heavy duty carrying case.

EDMO#	MFR#	DESCRIPTION
110051539	110051539	Mulit Purpose Kit | Includes: HL2020E heat gun, 9 mm reflector nozzle, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, welding nozzle, welding rod assortment, plastic welding booklet, catalog and heavy duty carrying case.
110051541	110051541	Silver Anniversary Kit | Includes: HL2020E heat gun, 75 mm spreader nozzle, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, welding nozzle, plastic welding rod assortment, shrink tubes, plastic welding booklet, catalog, and a silver case.
110051543	110051543	Industrial Kit | HL1920 heat gun, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, 20 mm reduction nozzle, 75 mm spreader nozzle, catalog, and heavy duty carrying case.
110051544	110051544	Multi Purpose Kit | Includes: HL1920E heat gun, 9 mm reflector nozzle, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, welding nozzle, welding rod assortment, plastic welding booklet, catalog, and heavy-duty carrying case.
110051545	110051545	Platinum Kit | Includes: HL1920E heat gun, 75 mm spreader nozzle, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, shrink tubes, catalog, and silver case.
110051546	110051546	Classic Kit | Includes: HL1920E heat gun, 14 mm reflector nozzle, 39 mm reflector nozzle, 9 mm reduction nozzle, catalog, and silver case.

MAGNETIC HEAT GUN ARM

STEINEL AMERICA, INC.
EDMO# 01445
MFR# 110049589

This hot air gun tool stand features a magnetic base for supporting hot air guns from Steinel.

- Compatible with heat gun models HG2320 E, HL2020 E, HL1920 E, and HL1820S



LIGHTWEIGHT HEAT GUN WITH NOZZLES

WELLER

Heat gun designed for assembly and repair applications in production plants, labs, and service shops. Ideal for shrink tubing and vinyl/TFE epoxy curing, drying, and cooling. Users can select temperature with the three-position switch (hot-off-cool).

- 3-wire grounded plug with a six-foot power cord
- UL and cUL listed



Net weight:	13 oz
Temperature range:	750°F to 800°F (399°C to 427°C)
3 position switch:	hot - off - cool
Power consumption:	250 W
Voltage:	120 V
Power cord:	6 ft long; three-wire grounded
Includes:	Precision reflector, large reflector, reducing baffle, and standard reflector nozzles

EDMO#	MFR#	DESCRIPITON
6966C	6966C	Lightweight heat gun with nozzles

EDMO#	MFR#	DESCRIPITON
ACCESSORIES		
6956	6956	Reflector nozzle 1/2in
6958	6958	Reducing baffle nozzle
6959	6959	Adapter nozzle 6966c to 1095
6964	6964	Precision reflector nozzle
6965A	6965A	Heat gun holder

FLAMELESS HEAT SHRINK GUN

EDMO# MJ-600
MFR# MJ-600



This auto-ignition, flameless heat shrink gun can be powered by a normal cigarette lighter. Consists of a Piezo electronic ignition system with a safety locking switch. Powered by an Iroda RC-30 refillable fuel cell (or any disposable cigarette lighter). It's ideal for general heating and drying applications, bending and forming plastics and plastic laminates, PVC bending, preheating flux, installing heat shrink tubing without a flame, and installing heat shrink and solder-filled connectors flamelessly.

Weight (without fuel):	95 g
Dimensions:	1 x 4.5 x 3.2 in (25 x 115 x 80 mm)
Fuel:	IRODA RC-30 refill cartridge or disposable lighter or similar product (excluding childproof versions)
Hours of nonstop burning:	≈ 20 min (per lighter)
Temperature:	1300°F (650°C)

SOLDERING IRONS

WLC100 SOLDERNG IRON

WELLER



This 40-watt, 120-volt soldering station is equipped with a cushioned foam grip and a replaceable heating element, as well as a lightweight (SPG40) pencil iron with a guard for added safety. Includes a natural sponge tip cleaning pad.

Power:	5–40 watts
Power supply:	120 V
Temperature:	900°F
Supplied tip(s):	ST3
Compatible pencil:	SPG40
Iron stand:	WCC105

EDMO#	MFR#	DESCRIPTION
WLC-100	WLC100	40 watt soldering station
ACCESSORIES		
SPG40	SPG40	Replacement soldering iron for WLC100 / 6 ft cord

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WE1010NA 70-WATT SOLDERING STATION

WELLER
EDMO# WE1010NA
MFR# WE1010NA



This 70-watt soldering station includes a digital display and is designed for vocational to professional uses. With a faster heat-up time, users can start immediately after switching on the unit. Improved ergonomics offers easy handling of the iron, and an improved user interface provides intuitive navigation.

- 70-watt soldering iron with ergonomic handle with tool-less tip change
- ESD safe station, iron, and heat-resistant silicon cable for safe handling
- Temperature stability and temperature lock protect tips and components, affording a consistently high quality
- Reinforced safety rest for secure iron storage
- Uses ET soldering tips
- Standby mode and auto-setback conserve energy while protecting equipment
- Password protection for preserving settings

Dimensions:	5.91 x 4.92 x 3.94 in
Power:	70 Watt
Power supply:	120V / 60 Hz
Temperature:	200°F to 850°F (100°C to 450C)
Temperature accuracy:	±17°F (±9°C)
Temperature stability:	±4°F (±2°C)

WT1013N 95 WATT 1-CHANNEL SOLDERING STATION

WELLER
EDMO# WT1013N
MFR# WT1013N



This 95-watt soldering station is highly flexible to suit a wide range of soldering applications. The WT Line of soldering stations features a stackable design with interlocking and reversible safety rests, as well as convenient and safe tip storage, a sleek 90-watt hybrid pencil, and micro soldering capacity. Also, the WT line is backward compatible with over 1,000 tip and tool combinations.

- Digital soldering station WT1 with WP 80 and WR S201
- WP80 soldering iron (80 W) with silver-line tips for all standard soldering applications
- Setback, lockout, temperature window, F/C switching, standby, and auto-off

WEP 70 SOLDERING IRON

WELLER
EDMO# WEP70
MFR# T0058770715/ WEP 70



The 70 Watt, WEP 70 soldering iron provides the ability to change tips without tools, while the ergonomic handle reduces fatigue and provides improved precision.

- Choose from a wide range of long-life ET tips
- Heat-resistant, ESD-safe, silicon cable
- Solder iron 70W, 23V
- Compatible with the Weller's WE line of soldering stations

SL325 23 WATT SOLDERING IRON

WELLER
EDMO# SL325
MFR# SL325



The SL325 soldering iron is a portable, lightweight, and convenient soldering tool for those smaller jobs that are way from the workbench. The compact size fits neatly into a technician's tool bag and deploys easily when needed.

- Round, ergonomic soft grip handle allows for extended use
- Non-temperature-controlled soldering iron
- Stainless steel heater for long life

Power:	23 W
Voltage:	120 V
Temperature range:	700°F (371°C), depends on tool
Tip range:	PL

TC201T SOLDERING PENCIL

WELLER
EDMO# TC201T
MFR# TC201T



The TC201T soldering pencil is designed to work with the WTCPT and WTCPTD series soldering stations. It has a power rating of 42 watts at 24 volts and is compatible with the PT series soldering tips.

Power:	42 W
Voltage:	24 V
Temperature range:	600°F, 700°F, and 800°F
Tip range:	PT Series

PES51 SOLDERING PENCIL

WELLER
EDMO# PES51
MFR# PES51



The PES51 soldering pencil works with the WES51 soldering station. It has a power rating of 50 watts and a temperature range from 350°F to 850°F.

Power:	50 W
Voltage:	24 V
Temperature range:	350°F to 850°F
Tip range:	ET Series

TIPS FOR SOLDERING PENCILS

WELLER



ETB ETP ST1 ST8

Tips for soldering pencils available in conical, long conical, chisel, and screwdriver types. Each tip has a sensor hole in the base of the tip that's fitted with a stainless-steel liner that prevents the tip from seizing to the sensor.

EDMO#	MFR#	TIP WIDTH/ THICKNESS/ REACH (IN)	TIP STYLE
FITS TOOLS: EC1201A, EC1204A, PES50, PES51 & WCC101			
ETA	ETA	0.062/0.032/0.625	Screwdriver
ETB	ETB	0.093/0.02/0.625	Screwdriver
ETC	ETC	0.12/0.02/0.62	Screwdriver
ETD	ETD	0.18/0.03/0.62	Screwdriver
ETJ	ETJ	0.031/0.012/1	Long Screwdriver
ETK	ETK	0.046/0.026/1	Long Screwdriver
ETO	ETO	0.03/0.04/1	Long Conical
ETP	ETP	0.031/0.012/.0625	Conical
ETR	ETR	0.062/0.044/.0625	Narrow Screwdriver
ETS	ETS	0.015/-/1	Long Conical
ETT	ETT	0.024/0.03/0.62	Conical
FITS TOOLS: SL325			
PL111	PL111	0.03/0.13/0.66	Conical
PL113	PL113	0.13/0.13/0.66	Chisel
PL133	PL133	0.15/0.32/1.06	Long Tapered Chisel
FITS TOOLS: WP25, WP30, WP35 & WLC100			
ST1	ST1	0.062/0.032/0.75	Screwdriver
ST2	ST2	0.093/0.02/0.75	Screwdriver
ST3	ST3	0.125/0.02/0.75	Screwdriver
ST4	ST4	1.87/0.025/0.75	Screwdriver
ST5	ST5	0.031/-/0.75	Single Flat
ST6	ST6	0.031/0.019/0.75	Screwdriver
ST7	ST7	0.031/0.012/0.75	Conical
ST8	ST8	0.062/0.044/0.75	Narrow Screwdriver
FITS TOOLS: WSP80			
LTB	T0054440599	0.094/0.031/0.43	Chisel
FITS TOOLS: TC201T			
PTA7	PTA7	0.062/-/ 0.062	Screwdriver
PTA8	PTA8	0.062/-/ 0.062	Screwdriver
PTP8	PTP8	0.03/0.01/0.062	Conical
PTS8	PTS8	0.015/-/0.062	Long Conical
FITS TOOLS: WLIR60			
WLTC04IR60	WLTC04IR60	0.015/-/-	Conical

SOLDERPRO 100

EDMO# PRO100K
MFR# PRO-100K



The SolderPro 100 is a butane-powered, portable, multi-function heat tool. This cordless tool provides a power range from 30 to 100 watts and is simple and safe to operate. This device is easily ignited with a Piezo electric ignition, and within 15 seconds it's ready to use. It heats with a catalytic burner and, on a full tank of fuel, can last for up to 120 minutes of operation at mid setting.

- Includes a 60/40 rosin core, sponge, extra orifice, instruction manual, case, 2.4 mm chisel tip, reflector, and blow torch tip

Weight (with fuel):	142 g
Length w/cap (w/soldering tip):	233 mm (9.2 in) [215 mm (8.5 in)]
Approximate temperature:	Soldering tip: 250-500°C (480-950°F)
Torch:	1300°C (2400°F)
Hot knife:	200–350°C (400–600°F)
Heat blower:	250–500°C (480–950°F)
Gas container capacity:	20 mL

EDMO#	MFR#	DESCRIPTION
PS-1	PS-1	0.063 in (1.6mm) conical solder tip
PS-2	PS-2	0.125 in (3.2mm) conical solder tip
PS14	PS14	Orifice assembly

WSTA3 BUTANE GAS POWERED SOLDERING IRON

WELLER
EDMO# WSTA3
MFR# WSTA3



The WSTA3 portable soldering iron uses butane gas to provide fast heating for soldering in remote work environments without depending on a mains power supply. This butane gas-powered tool offers variable temperature adjustment from 350°C to 500°C as a soldering iron, up to 650°C as a hot air blower, and reaching 1,600°C when used as a blow torch. It can operate for approximately three hours between fueling.

- Ideal for soldering while working in the field
- Lightweight, portable, and ready to use in 30 seconds
- No batteries, cords, or cartridges required
- Replaceable soldering tips
- Uses butane fuel refills (Weller WB1 or WB2AII)

Temperature range:	350°C to 500°C (662°F to 932°C)
Comparable Electrical Power:	20W – 80W

FLUX DISPENSER

WELLER
EDMO# FD2D
MFR# FD2D



The FD2D flux dispenser bottle features a two-ounce capacity and has a stainless steel applicator needle for dispensing solder flux, resin, or solvents.

- Flux solvent dispenser with a 0.020-inch needle
- Places solder flux precisely where it is needed

DESOLDERING PUMPS

WELLER
EDMO# 7874B
MFR# 7874B



Provides ESD-safe solder removing vacuum with a one-hand operation from a spring-loaded piston. Features a self-cleaning, non-clogging, static-free replaceable tip.

- Designed with a desoldering bulb
- Facilitates accurate printed circuit repair and cleaning
- May be used with a soldering iron

CHEM-WIK ROSIN DESOLDERING BRAID

CHEM-WIK



Chem-Wik® Desoldering Braid ensures fast and safe desoldering. The ultra-pure, oxygen-free copper braid quickly and completely removes solder from circuit boards and components. Its fast-wicking action protects components from harmful heat damage. PermaPak™ Barrier Packaging ensures ultimate braid freshness and speed by sealing out harmful effects of the environment and protecting against oxidation.

- Reduces the risk of damage associated with static electricity
- Coated with noncorrosive ultra-high purity type R rosin flux
- MIL-F-14256F, Type R; MIL-STD-2000A; MIL-B-81705C; NASA NHB5300.4(3A); NASA SP-5002; NASA NPC200-4; IPC SF-818; DOD Handbook 263; DOD Standard 1686; BELLCORE TRNWT-00078
- Static dissipative packaging is available on all 5-foot bobbins
- Static dissipative bobbins qualify as electrostatic discharge protective per DOD Standard 1686 and DOD Handbook 263. Meets the static delay rate provision of MIL-B-81705C

EDMO#	MFR#	SIZE	APPLICATION
2-5L	2-5L	0.030 | 5 ft length	Micro-circuits
5-5L	5-5L	0.050 | 5 ft length	Small pads
7-5L	7-5L	0.075 | 5 ft length	Medium pads
10-5L	10-5L	0.100 | 5 ft length	Large pads

STATIC MAT



Static mat kit for use in soldering assembly areas. This mat is resistant to heat, chemicals, abrasion, and tearing and, as such, is safe to use in soldering applications that involve flux and other chemicals.

- Includes snap kit and 15-foot common-point ground cord with dual 4 mm banana plugs

Shipping weight:	3 lb
Dimensions:	24 × 36 × 0.060 in
Dissipative top layer:	106–109 ohms Rtt
Conductive bottom layer:	104 Rtt
Material:	2-layer rubber
Certification:	ANSI/ESD S20.20 and EIA-625

EDMO#	MFR#	DESCRIPTION
09070	127-008	Elastic ground wrist band and 6 ft cord with alligator clip (for use with 66040)

CLEANING SPONGE

WELLER
EDMO# TC205
MFR# TC205

Replacement sponge for the following Weller PH-series iron stands: PH50, PH1201ESD, PH1201FE, PH1301ESD, PH1503.

TWO HOLE SOLDER TIP CLEANING SPONGE

WELLER
EDMO# 9904
MFR# 9904



This two-hole sponge is used for cleaning soldering iron tips and is compatible with the Weller 2110 Soldering Iron Stand.

44 FLUX-CORED WIRE



Kester 44 Rosin Flux is an activated rosin formula for use in flux-cored solder wire. 44 has virtually dominated the field of activated rosin core solders for well over four decades. An outstanding performance feature of this flux is the "instant-action" wetting behavior. The high mobility and fast-spreading action of this flux result in more reliable production line soldering. 44 is classified as ROM1 per J-STD-004.

- 1 lb rolls
- Leaded content
- Contains halogens

EDMO#	MFR#	DIAMETER	CORE	FLUX %
603A31	111-277	.025	66	3.3
604A31	2460400027	.031	66	3.3

WRENCHES & DRIVERS

HEX WRENCH KIT

EDMO# HS-206
MFR# HS-206



Set of six short hex wrenches for use in military, commercial radio, and avionic applications.

MFR#	LENGTHS (IN)		WIDTH ACROSS FLATS
	SHORT	LONG	
H-028	7/32	1-7/32	0.028
H-035	11/32	1-7/32	0.035
H-050	17/32	1-21/32	0.050
H-116	9/16	1-3/4	1/16
H-564	39/64	1-7/8	5/64
H-332	21/32	2	3/32

SPLINE WRENCH KIT

EDMO# SS-508
MFR# SS-508



Spline wrench for radio and electronics use in aviation and industrial applications. Includes nine short-arm L-keys, #1 through #10; refer to the table for the kit contents.

MFR#	LENGTHS (IN)		DIAMETER (IN)	COMP. SET SCREWS
	SHORT	LONG		
FLUTES - 4				
S-033-4	0.218	1.218	0.033	#1
S-048-4	0.344	1.218	0.048	#2, 3
S-069-4	0.562	1.750	0.069	#5
S-076-4	0.562	1.750	0.076	#6
FLUTES - 6				
S-048-6	0.344	1.218	0.048	#2, 3
S-060-6	0.531	1.656	0.060	#4
S-072-6	0.562	1.750	0.072	#5, 6
S-096-6	0.609	1.875	0.096	#8
S-111-6	0.656	2.000	0.111	#10

ALLEN HEX SCREWDRIVER SET

XCELITE
EDMO# 99-PS-40
MFR# 99PS40



The 99PS40 is an 11-piece compact Allen® hex socket screwdriver set. This kit comes arranged in a clear plastic case.

- Kit includes: one 4-inch handle, (1) 4-inch extension, and nine (9) screwdrivers sized: 0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16.

EDMO#	MFR#	DESCRIPTION
ACCESSORIES		
99-1	991VN	Replacement Screwdriver Handle
99-20	99220N	Allen Hex Socket, 0.050 x 4 in
99-38	9938N	Reamer Blade, 1/8 x 3/8 in
99-61	9961N	Bristol 6-flute, multiple spline, 0.048 x 4 in
99-62	9962N	Bristol 6-flute, multiple spline, 0.060 x 4 in
9964N	9964N	Bristol 6-flute, multiple spline, 0.072 x 4 in

BALLPOINT ALLEN HEX SCREWDRIVER SET

XCELITE
EDMO# 99-PS-40BP
MFR# 99-PS-40BP



The 99-PS-40BP set is an 11-piece ballpoint Allen® hex socket screwdriver set that has a unique ballpoint tip for tightening and removing Allen socket screws.

- Kit includes: one (1) handle, one (1) extension, and nine (9) wrench sizes: 0.050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16.

COMPACT NUTDRIVER SET

XCELITE
EDMO# PS-120
MFR# PS-120



This 11-piece compact convertible nut kit allows users to complete jobs with fewer tools while saving bench space. This kit contains 11 tools, including a black, "piggyback" torque amplifier handle, and is packaged in a clear plastic case. Each tool has a color-coded handle.

LN SERIES ALLEN SCREWDRIVER SET

XCELITE
EDMO# PS-89
MFR# PS-89



This LN Series Allen Screwdriver Set features 11 sizes and a roll-up canvas case with a plastic coating that protects the screwdrivers from excessive wear.

- Kit includes hex sizes: 0.050", 1/16", 5/64", 3/32", 7/64", 9/64", 1/8", 5/32", 3/16", 7/32", 1/4"

HEX SCREWDRIVER SET

XCELITE
EDMO# PS-89
MFR# PS-89



Save space at the bench with this 9-piece hex socket screwdriver set that includes a black, "piggyback" torque amplifier handle and is packaged in a clear plastic case. Each tool has a color-coded handle.

- Kit includes nine (9) tools: one torque amplifier and eight (8) screwdrivers sized: 0.028, 0.035, 0.050, 1/16, 5/64, 3/32, 7/64, 1/8.

REGULAR TIP SCREWDRIVER

XCELITE
EDMO# R-1810
MFR# R1810



Regular round-blade screwdriver with an AISI 6150 chrome vanadium steel blade; plated for protection. 1/8 x 10 inches long.

EXTRA LONG SCREWDRIVER

XCELITE
EDMO# X-1010
MFR# X1010



Extra-long Phillips® type screwdrivers with plated AISI 6150 chrome vanadium steel blades. 13-5/8 x 10 inches long.

HEX SCREWDRIVER

XCELITE



Allen hex socket type screwdriver for recessed socket head screws with amber translucent handle.

EDMO#	MFR#	SIZE
LN-22	LN22N	5/64 in x 4 in
LN-23	LN23N	3/32 in x 4 in

S-141 STUBBY SCREWDRIVER

XCELITE
EDMO# S-141
MFR# S141



The S-141 Stubby Screwdriver features a square blade with an 1-1/4-inch working length. This screwdriver is constructed of high-quality AISI 6150 chrome vanadium steel for a long service life.

#0 POCKET CLIP PHILLIPS HEAD SCREWDRIVER

XCELITE
EDMO# P-12-S
MFR# P12S



The P-12-S pocket clip screwdriver features a #0 Phillips head tip and a two-inch blade.

XST-101 PHILLIPS HEAD SCREWDRIVER

XCELITE
EDMO# XST-101
MFR# XST101



The XST-101 Phillips head screwdriver features a 3-inch blade with a #1 Phillips head and a black oxide tip.

R-181 SLOTTED POCKET SCREWDRIVER

XCELITE
EDMO# R-181
MFR# R-181



The R-181 slotted screwdriver features a two-inch working length and a pocket clip for convenient transportation. This screwdriver is constructed of chrome-plated vanadium for a long service life.

150 PIECE PROFESSIONAL TOOL SET

EDMO# CTK150
MFR# CTK150



Crescent mechanics tools are made from chrome alloy steel, which is specially formulated and heat-treated for high strength and superior resistance to abrasion and corrosion. Wrenches, ratchets, sockets, and drive tools all have a flawless chrome finish to extend tool life. The sockets and the box end of the combination wrenches both feature off-corner loading, which reduces fastener rounding.

- Kit includes: 2 ratchets, 3 extensions, 51 standard sockets, 1 spark plug socket, 12 combination wrenches, 24 hex keys, 2 pliers adjustable wrench, 2 screwdrivers, 1 magnetic bit driver with 38 bits, 1 bit adapter, and 12 nut driver bits
- Assortment of hand tools needed for most industrial, mechanical, and consumer applications
- Incredible access from long wrenches with narrow heads, adjustable wrenches and pliers, and long-beam ratchets with small teardrop heads
- Long nose & diagonal pliers with professional, ergonomic dipped grips wipe clean easily
- Co-molded bitdriver and screwdriver handles with ergonomic grip for improved performance
- Shallow and deep SAE/metric 6-point full polish chrome sockets with stamped size markings for easy socket identification
- 6-inch adjustable wrench with hex-jaw design reduces slippage by gripping fasteners tightly
- Manufactured from chrome alloy steel for better strength and longer tool life
- Includes blow mold case for storage and organization
- Meets or exceeds ANSI and ASME specifications

STRAP WRENCH

DANIELS MANUFACTURING CORP



BT-BS-609

These strap wrenches are designed for reliable gripping without damaging delicate or polished surfaces. With an adjustable, durable strap, it easily secures around various shapes, providing firm control for assembly, disassembly, or maintenance tasks. This versatile tool is essential for applications that require a non-marring grip, especially suited for sensitive components where traditional metal wrenches may cause damage.

EDMO#	MFR#	SPECIFICATIONS
BT-BS-609	BT-BS-609	Diameter Range (inches): 0.5 to 2.50 Strap Dimensions: 14 x 0.5 in
TG70	TG70	Diameter Range (inches): 0.5 to 3.00 Strap Dimensions: 18 x 0.5 in
REPLACEMENT STRAPS		
BT-A-6185	BT-A-6185	Compatible With: BT-BS-618 Strap Width: 1 in Color: Black

VISES

STANDARD TABLETOP VISE

PANAVISE PRODUCTS, INC



The original PanaVise is a workholding tool for hobbies, electronics, small home repairs, and workbench environments.

- The easy-to-use single knob controls head movement through 3-planes: 90° tilt, 360° turn, and 360° rotation.
- Nylon jaws offer excellent electrical insulation and gentle holding power
- Base accepts all 300 series heads and any 5/8" (15.9mm) diameter post
- Height: 6.25 in, Weight: 2.7 lb

EDMO#	MFR#	DESCRIPTION
MODEL301	301	Standard table top vise 360 degree
ACCESSORIES		
MODEL300	MODEL300	Standard base
MODEL303	303	Standard head for 300 series
MODEL305	305	Low profile base for vise
MODEL308	308	Weighted Base Mount for 201 PV Jr. Vise and 300 & 305 Bases

MINI TABLE TOP VISE

PANAVISE PRODUCTS, INC
EDMO# MODEL201
MFR# MODEL201



The Mini Table Top Vise holds electronic and other small components securely in place with grooved jaws of thermal composite plastic. A single knob controls the head movement through three planes: 210° tilt, 360° turn, and 360° rotation. A fine/coarse adjustment knob controls the jaw pressure for more delicate work.

- Three planes of head movement: 210° tilt, 360° turn, and 360° rotation
- Fine/coarse adjustment knob
- Grooved jaws are perfect for small objects with reinforced thermal composite plastic with a continuous heat tolerance of 350°F (177°C) and intermittent heat up to 450°F (204°C)
- Jaws are 2 x 1 inches wide and open up to 2.875 inches
- Neoprene jaw pads are available for holding delicate items
- Base features 4.3125 bolt circle countersunk for three 1/4-inch flat head screws (not included); compatible with all PanaVise base mounts
- Dimensions: 6.75 in, Weight: 1.2 lb

PORTABLE VACUUM TABLE TOP VISE

PANAVISE PRODUCTS, INC
EDMO# MODEL381
MFR# MODEL381



The Portable Vacuum Table Top Vise is exceptionally easy to transport to different workstations. Its vacuum base quickly attaches to any smooth, non-porous flat surface with the flip of a lever. A single knob controls three planes of movement: 90° tilt, 360° turn, and 360° rotation.

HEAVY WEIGHT TABLETOP VISE

PANAVISE PRODUCTS, INC
EDMO# MODEL350
MFR# MODEL350



The Heavy Weight Table Top Vise is a multi-purpose work center designed to hold larger, heavy objects. It's exceptionally stable with self-centering, extra-wide opening jaws that open to 9 inches and ribbed neoprene jaw pads that prevent damage to objects. The dual-purpose parts tray base holds extra tools and components while providing added stability. Head movement is managed with a single knob that controls three planes of movement: 90° tilt, 360° turn, and 360° rotation.

- Self-centering, extra-wide jaws open a full nine inches and hold heavy objects by centering weight over the base
- The 8.5-inch-diameter parts tray base mount provides added stability and has six individual trays to hold small parts and tools (includes six non-marring anti-skid pads)
- Ribbed, neoprene jaw pads provide added grip; when the pads are reversed, they form a wide "V" shape that holds cylindrical objects (1.875 × 1.5 inches)
- A single knob controls head movement through three planes: 90° tilt, 360° turn, and 360° rotation
- Double-action jaws open and close quickly or can be reversed to provide "zero" closure
- Base accepts all 300-series heads and any 5/8-inch diameter shaft
- Dimensions: 7.875 in, Weight: 5 lb

WIDE OPENING HEAD TABLE VISE

PANAVISE PRODUCTS, INC
EDMO# MODEL396
MFR# MODEL396



Designed for larger projects, the Wide Opening Head Table Vise opens up to a generous six inches. The ribbed, neoprene jaw pads are 1.875 × 1.5 inches wide and provide solid gripping power for flat-sided objects—to hold cylindrical objects, simply reverse the pads so that they form a wide "V" shape.

ROUND DRILL JIG

EDMO# DJ-1
MFR# FAP 06

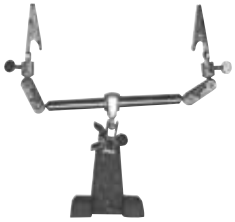


This simple tool comes with a 2-1/4-inch and 3-1/8-inch centering disc and clamp bar. Once the instrument hole has been made, clamp the tool in place and either spot drill or drill through the four holes for accurate instrument mounting. Constructed with hardened steel for improved longevity.

- This simple tool is used to make the irregular 3ATI aircraft instrument mount. Made from heat-treated alloy steel.

DOUBLE HAND HOLDER

EDMO# 12-051
MFR# 12-051



The Double Hand Holder keeps objects in place at the workbench while freeing up the operator's hands. Thumbscrews lock the object into place while the stand's six ball joints allow the objects to be moved into the appropriate position for ease of use. Smaller objects can be secured by the two alligator clips. Heavy base for added stability.

KWIK STEPPER DRILL BIT

TEMPO COMMUNICATIONS
EDMO# 34403
MFR# 50344030



The Kwick Stepper Drill Bit has a unique split-tip design that penetrates through steel faster than similar bits while resisting walking or skidding on round surfaces with balanced, double-flute construction that requires less pressure during use.

- Capacity: cut up through 3/8 in (9.5 mm); maximum material thickness: 10 GA (3.5 mm)
- Overall length: 3-9/16 in (90.5 mm)
- Drills through steel, copper, brass, aluminum, wood, plastic, and laminates
- Hole size: 13/16 in (4.800 mm), 1/4 in (6.400 mm), 5/16 in (7.900 mm), 3/8 in (9.500 mm), 7/16 in (11.100 mm), 1/2 in (12.700 mm), 9/16 in (14.300 mm), 5/8 in (15.900 mm), 11/16 in (17.500 mm), 3/4 in (19.100 mm), 13/16 in (20.600 mm)

GROUNDING CLAMPS

AIRCRAFT GROUNDING CLAMP

STEWART R BROWNE



ALS-10A

The ALS10A is designed with plated steel jaws to allow proper contact on unpainted surfaces, posts, or thin materials. The ALS10A is used in all aircraft fueling or maintenance operations and complies with mil spec M83413/7-1.

EDMO#	MFR#	DESCRIPTION
ALS-10A	ALS-10A	Aircraft grounding clamp
ALS-10B	ALS-10B	Aircraft grounding clamp with integrated jagged edge jaw hand clamp

AIRCRAFT GROUNDING CLAMP

STEWART R BROWNE
EDMO# REB2960
MFR# REB2960



The REB2960 ground clamp is a world standard for grounding or bonding small containers, drums, totes, machinery, or personnel in areas containing flammable liquids or dust. This plier-type clamp has a die-cast aluminum body with 2 stainless steel points and a hefty 55-pound spring compression. This design allows the clamp to penetrate multiple layers of paint or corrosion buildup so that proper contact is made to bare metal.

50’ GROUNDING REEL WITH GATOR CLIP

STEWART R BROWNE
EDMO# 700-50R
MFR# 700-50R



The Model 700-50R Static Discharge Reel has an alligator clip and 50 feet of cable. The reel is used to ground tanker trucks and rail cars.

50’ STATIC DISCHARGE REEL

STEWART R BROWNE
EDMO# R-50
MFR# R-50



The Model R-50 Static Discharge Reel has 50 feet of cable with the Model REB 2960 Clamp attached. The reel is used for static discharge and grounding of flammable drums and totes.

GROUNDING PLUG

STEWART R BROWNE
EDMO# M83413/4-1
MFR# M83413/4-1



Grounding plug for use in aircraft grounding and bonding applications. Meets military specifications for proper grounding of aircraft during refueling or maintenance.

WORK LIGHTS

LED INDUSTRIAL STRING LIGHT

STEWART R BROWNE



6060-5004

These LED string lights are designed to provide a smooth luminous pattern that radiates 310 degrees from its long tubular core. Designed for rugged applications that require minimal product weight, tough reliability, an even light cast, and minimal heat generation. Each unit comes with a 10-foot power cord on one end and a female receptacle on the other to allow for easy Daisy chaining of lights.

- 15A UL socket integrated into end-cap
- End-to-end pluggable for Daisy chaining
- Hexagonal-shaped rubber end caps prevent errant roll and provide cushioning
- Rubber O-rings inside end caps protect from moisture and dust
- Tough-Shield™ polycarbonate hardened, shatterproof, and chemical-resistant outer tube
- Yellow 10ft SJTOW cord with NEMA 5-15P plug
- Skydrol 500B-4®, Skydrol LD-4®, and Skydrol 5® resistant

EDMO#	MFR#	DESCRIPTION
6030-5000	6030-5000	24 inch / connect up 22 lights
6060-5004	6060-5004	48 inch / connect up 12 lights

PORTABLE TWIN-TUBE FLUORESCENT WORK LIGHT

STEWART R BROWNE

This portable, twin-tube fluorescent work light is designed as a task light during aircraft maintenance operations. If feature a chemically hardened light tube that resists chemical damage. Also, up to nine work lights can be connected in series to provide lighting in larger spaces.



EDMO#	MFR#	DESCRIPTION
6650	6050-5036	36-inch Portable twin-tube fluorescent work light; 2 50-Watt fluorescent lamps
6654	–	68-inch Portable twin-tube fluorescent work light; 2 54-Watt fluorescent lamps
ACCESSORIES FOR 6650 WORK LIGHT		
5000-1055	5000-1055	Vertical hanger
5000-1126	5000-1126	Horizontal hanger

STUBBY II SERIES LED WORK LIGHTS

STEWART R BROWNE

The STUBBY II series LED work lights are ideal for use in non-hazardous areas where water vapor or moisture can present risks to workers. Exclusive vaper-proof clamps keep water vapors from entering the light.



1925-2015

EDMO#	MFR#	DESCRIPTION
1925-2015	1925-2015	LED work light with 25 ft power cord
2302-0003	2302-0003	Battery operated LED work light
2302-0011	2302-0011	Battery operated LED work light with battery and charger
ACCESSORIES		
5000-1639	5000-1639	Battery pack for Stubby II cordless work light
5000-1618	5000-1618	Battery charger for Stubby II battery pack

LED TUBULAR WORK LIGHT

STEWART R BROWNE
EDMO# XP-65-LED
MFR# XP-65-LED-50P



The XP-65 LED tubular work light boasts an explosion-proof design and extra-bright LED bulbs.

- Includes 50-foot cord and plug
- Ideal for use in hazardous locations
- UL listed explosion proof

HEAVY-DUTY LED HANDHELD LAMP

STEWART R BROWNE
EDMO# XP-162
MFR# XP-162-LED-25



This XP-162 LED handheld lamp is a heavy-duty work light that is designed to operate in hazardous conditions. The TUFFITE handle is built with high impact strength and chemical resistance and features an aluminum guard and swivel hook.

- Includes 25-foot power cord
- Work light gasket available (EDMO# XP-459)

CASES

PROTECTOR CASES
PELICAN PRODUCTS

Ideal for storing and transporting electronics or other valuables, Pelican's Protector Cases are watertight, crushproof, and dust-proof with an open-cell core and solid wall design.

- Easy open double throw latches
- Watertight o-ring seal
- Automatic pressure equalization valve
- Pick n' pluck with convoluted lid foam
- Stainless steel hardware and padlock protectors



Black with foam

EDMO#	MFR#	INTERIOR DIMENSIONS	EXTERIOR DIMENSIONS
BLACK WITH FOAM			
1170000110	1170-000-110	10.54 x 6.04 x 3.16 in	11.64 x 8.34 x 3.78 in
1200B	1200-000-110	9.25 x 7.12 x 4.12 in	10.75 x 9.75 x 5 in
1550B	1550-000-110	18.63 x 14.18 x 7.72 in	20.66 x 17.20 x 8.40 in
1560B	1560-000-110	20.37 x 15.43 x 9 in	22.06 x 17.93 x 10.43 in
1640000110	1640-000-110	23.70 x 24.00 x 13.90 in	27.20 x 27.50 x 16.30 in
1650	1650-020-110	28.57 x 17.52 x 10.65 in	31.59 x 20.47 x 12.45 in
BLACK NO FOAM			
1170001110	1170-001-110	10.54 x 6.04 x 3.16 in	11.64 x 8.34 x 3.78 in
1560BNF	1560-001-110	20.37 x 15.43 x 9 in	22.06 x 17.93 x 10.43 in
YELLOW WITH FOAM			
1500Y	1500-000-240	16.75 x 11.18 x 6.12 in	18.5 x 15.25 x 6.88 in
1520Y	1520-000-240	18.06 x 12.89 x 6.72 in	19.78 x 15.77 x 7.41 in
FOAM INSERTS			
1661	1660-400-000	5-pc Foam Set For 1660 Case	

Other cases available. See edmo.com for more info.

PROTECTOR CUBE CASE
PELICAN PRODUCTS
EDMO# 0340NF
MFR# 0340-001-110

Sensitive equipment needs protection, and since 1976 the answer has been the Pelican™ Protector Cube Case. These cases are designed to be rugged and travel in the harshest environments on earth. Against the extreme cold of the arctic or the heat of battle, Pelican cases have survived. Black, No Foam, 20x20x20 with stainless steel caster wheels and retractable pull handle.



- Large 2-person fold down handles
- Stainless steel caster wheels included
- Watertight, crushproof, and dust-proof
- 3 level Pick N Pluck™ with convoluted lid foam
- Automatic pressure equalization valve easy-open double throw latches
- O-ring seal
- Stainless steel hardware and padlock protectors

Interior dimensions:	18.00 x 18.00 x 18.00 in
Exterior dimensions:	20.50 x 20.50 x 19.25 in

IM2100 STORM CASES
PELICAN PRODUCTS

Pelican Storm Case shares the same DNA as Pelican's line of protector cases. What makes the iM2100 Storm Case unique is its 'press and pull' latch that automatically locks when closing and requires only a light light to open.

- Two press & pull latches
- Lightweight, strong HPX® resin
- Watertight, crush-proof, and dust-proof
- Double-layered, soft-grip handle
- Vortex™ Valve
- Two pad-lockable hasps
- Powerful hinges



2100-20001

EDMO#	MFR#	COLOR	INTERIOR DIMENSIONS	EXTERIOR DIMENSIONS
IM2027 STORM CASE				
2075-00001	iM2075-00001	Black with foam	9.50 x 7.50 x 7.25 in	11.80 x 9.80 x 7.70 in
IM2100 STORM CASE				
2100-00001	iM2100-00001	Black with foam	13 x 9.2 x 6 in	14.2 x 11.4 x 6.5 in
2100-20001	iM2100-20001	Yellow with foam	13 x 9.2 x 6 in	14.2 x 11.4 x 6.5 in
IM2200 STORM CASE				
2200-20001	IM2200-200001	Yellow with foam	15 x 10.5 x 6 in	16.2 x 12.7 x 6.6 in
IM2300 STORM CASE				
2300-00001	iM2300-00001	Black with foam	17 x 11.7 x 6.2 in	18.2 13.9 x 6.7 in
IM2370 LAPTOP STORM CASE				
2370-00000s	IM2370-00000	Black without foam	18.20 x 12.10 x 5.20 in	20.00 x 14.70 x 5.80 in

IM2500 CARRY-ON STORM CASE
PELICAN PRODUCTS

The iM2500 Storm Case shares the same DNA as Pelican's line of protector cases. What makes the iM2500 Storm Case unique is its 'press and pull' latch that automatically locks when closing and requires only a light light to open.



2500-00000

- Two press & pull latches
- Lightweight, strong HPX® resin
- Watertight, crush-proof, and dust-proof
- Double-layered, soft-grip handle
- Vortex™ Valve
- Two pad-lockable hasps
- Powerful hinges

EDMO#	MFR#	COLOR	INTERIOR DIMENSIONS	EXTERIOR DIMENSIONS
IM2500 STORM CASE				
2500-00000	IM2500-00000	Black without foam	20.50 x 11.50 x 7.20 in	21.70 x 14.10 x 8.90 in
2500-20000	iM2500-20000	Yellow without foam	20.50 x 11.50 x 7.20 in	21.70 x 14.10 x 8.90 in

5

IM3100 LONG STORM CASE

PELICAN PRODUCTS
EDMO# 3100000001
MFR# IM3100-00001



The Pelican™ Storm Case™ has the same legendary DNA as our Pelican Protector Case, with one primary difference: a unique press and pull latch that locks automatically but opens with a light touch.

- Watertight, crushproof, and dust-proof
- Two Press & Pull Latches
- Two padlockable hasps
- Double-layered, soft-grip handle
- Vortex™ Valve
- Powerful Hinges
- Made from lightweight, strong HPX® resin
- Stable, wide-track mobility
- Metal butterfly compression latches
- Field replaceable wheels
- Auto pressure equalization valves

Interior dimensions:	36.50 x 14.00 x 6.00 in
Exterior dimensions:	39.80 x 16.50 x 6.70 in
Interior Dimensions:	20.56 x 10.97 x 12.65 in
Exterior Dimensions:	23.95 x 14.75 x 17.95 in
Color:	Black

0450 PROTECTOR MOBILE TOOL CHEST

EDMO# 0450SD4
MFR# 004500-0420-110

The 0450ND Protector Mobile Tool Chest is made tough and features an aluminum rail slide system for trays that can easily store and access tools. The robust design has been tested for water submersion, extreme temperatures, and drop testing at 5 feet. The extendable trolley handle and rugged wheels make transporting this mobile tool chest easy.



- Generation 2
- Removable drawers
- Two-way handles
- 2 versions available: with 6 (4 shallow drawers and 2 deep drawers) or 7 (6 shallow drawers and 1 deep drawer) removable tool drawers
- Heavy duty buttress hinges

MICRO CASE

PELICAN PRODUCTS



1060026100

From small, sensitive components to smartphones, protect your gear from the elements in a crushproof, watertight, and dust-proof Micro Case from Pelican. Case is able to be submerged under 1 meter of water for up to 30 minutes in accordance with IP67 testing parameters.

- Watertight, crushproof, and dust-proof
- Carabiner
- Easy open latch
- Rubber liner for extra protection doubles as an o-ring seal
- Stainless steel hardware

EDMO#	MFR#	INTERIOR DIMENSIONS	EXTERIOR DIMENSIONS
BLACK LINER			
1010025110	1010-025-110	4.37 x 2.87 x 1.68 in	5-7/16 x 4-1/6 x 2-1/8 in
BLUE LINER			
1060026100	1060-026-100	8.25 x 4.25 x 2.25 in	9-3/8 x 5-9/16 x 2-5/8
RED LINER			
1010028100	1010-028-100	4.37 x 2.87 x 1.68 in	5.88 x 4.06 x 2.12 in




EDMO
INTERNATIONAL AIRPORT
ICOM
AMP
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EXTERIOR CLEANING

AIRCRAFT WET WASH

GRANITIZE

Wet Wash is a multi-purpose wash that can be used on general, corporate, and commercial aircrafts with new and in-service aerospace paint. Wet Wash contain carnauba wax and removes moderate carbon build-up and light stains. This highly concentrated formula makes Wet Wash cost effective and maybe diluted to meet specific needs. The low alkaline PH has excellent sheeting action; high foaming action lifts and holds dirt in a suspension for thorough rinsing. This is also safe for use on AECI 3 coated aircrafts.



XS3-G

- Low alkaline PH has excellent sheeting action
- High foaming action lifts and holds dirt in suspension for thorough rinsing
- Safe for use on AECI3 coated aircraft
- 1 gallon container

EDMO#	MFR#	SIZE
XS3-G	XS3-G	1 gallon
XS3-5	XS3-5	5 gallon
XS3-55	XS3-55	55 gallon

AEROLUBE DRY WASH

GRANITIZE

AeroLube Dry Wash Lubricant is a formula designed to be used in conjunction with Granitize's AeroMitt during surface prep work.



XT6-P

EDMO#	MFR#	SIZE
XAL-32	XAL-32	32 oz
XAL-G	XAL-G	1 gallon
ACCESSORIES		
X-AEROMITT	X-AEROMITT	Surface prep mitt

HARD SURFACE CLEANER CONCENTRATE

GRANITIZE
EDMO# XG-5
MFR# XG5-G

Hard Surface Cleaner is a concentrated, all-purpose cleaner designed for post-flight wipe down or general dry wash cleaning of the complete airframe. Its concentrated blend of alcohol and grease-cutting agents contain no soap or ammonia can be diluted for lighter cleaning jobs. This hard surface cleaner is economical, easy to use, and leaves no residue or streaking.



- 5 gallon container

SPRAY & SHINE CLEANER AND COLOR BRIGHTENER

GRANITIZE
EDMO#: XC-11
MFR#: XC11-G

Spray and Shine is an exterior, light duty cleaner. This cleaner is a spray on and wipe off formula to clean, enhance, and maintain painted surfaces and brightwork. This product is recommended for removing bugs, smudges, spotting, and light carbon buildup and it is recommended to be used as a post flight wipe down of leading edge and engine inlet debris. It can also be used as a lubricant/cleaner when micro-polishing paint with Grana-Clay Bars. This Spray and Shine Cleaner is safe to use on aircrafts treated with AECI 3.



- Light duty cleaner for cleaning painted surfaces and brightwork
- Removes bugs, smudges, and light carbon buildup
- May be used as a lubricant when micro-polishing with Grana-clay bars
- 1 gallon container

AVIATION EXTERIOR PROTECTION

GRANITIZE

Aircraft Exterior Protector, classic formula, is specifically designed to protect the painted surfaces of the aircraft. One pint can cover 1,600 feet with one coat—enough for three coats of brightwork on a typical business jet. Granitize is approved by Boeing, Gulfstream, and Bombardier.



X-20-15

- Ultimate long term protection for painted surfaces
- Resists salt water spray
- Provides UV protection
- Resists heat up to 450ºF

EDMO#	MFR#	DESCRIPTION
X-20-15	X20-15	Classic formula - 16 oz
X-20-18	X20-18	Brightwork formula - 16 oz
X-20-WO	X20-WO	Paintwork formula - 16 oz

AVIATION PROTECTION KIT

GRANITIZE

The Aviation Protection kit contains everything that is needed to protect the finish on the aircrafts painted surface once it has been polished. It inhibits corrosion and eases future maintenance tasks.



X-3500-15

- Includes: One pint of X20-15 or X20-18, Dupont Sontara™ wipes, (4) H-32 cotton cloths, (1) cloth applicator, (2) pair heavy duty gloves, Painters tape, and instructions.

EDMO#	MFR#	DESCRIPTION
X-3500-15	X3500-15	Classic formula kit
X-3500-18	X3500-18	Brightwork formula kit

METAL POLISH RESIDUE CLEANER

GRANITIZE
EDMO# XMPRC-G
MFR# XMPRC-G



Granitize Aviation Metal Polish Residue Cleaner is a special formulation of alcohol and other components that quickly removes the black metal polish residue in preparation for application of Xzilon corrosion inhibitor.

- Follow with a final cleaning of 100% isopropyl alcohol
- 1 gallon container

CLEAR VIEW GLASS & PLASTIC CLEANER

AVIATION LABORATORIES
EDMO# CLRVIEWAGC
MFR# AVL-AGC



ClearView Glass and Plastic Cleaner is safe on all plastics and glass—it contains no ammonia. This foaming cleaner leaves a shiny finish with no residue. It easily removes bugs and grime from windshields and all surfaces.

- Stays where sprayed with no drips
- Anti-static – leaves no films
- 15 ounce container

CLEAR VIEW PLASTIC CLEANER, POLISH, & PROTECTANT

AVIATION LABORATORIES
EDMO# CLRVIEW16
MFR# AVL-CV-16



ClearView Plastic Cleaner, Polish, and Protectant makes clear plastics look like new. It is designed to fill in fine scratches on plastic windshields and windows, leaving a perfect, like new finish. It leaves no residue; just spray it on and wipe it off. It is safe on all plastics and is non-abrasive. Stays where sprayed with no drips.

- Polishes and protects all clear and colored plastics
- Makes fine scratches less visible
- Sprays on and wipes off easily
- Anti-static and anti-dust
- 13 ounce container

OXIDATION REMOVER FOR PAINT

GRANITIZE
EDMO# XC10-G
MFR# XC10-G



Oxidation remover is formulated as a medium range aggressive cleaner. It is ideal for removing light to medium scratches and oxidation from all painted surfaces. Quickly and effectively removes imperfections while buffing out oxidized paint when detailing which helps to minimize work time. Oxidation remover contains medium grade abrasives in it and may be applied by hand or machine.

- 1 gallon container.

ZERO VOC DEGREASER

GRANITIZE



XE3-24

Zero VOC Degreaser is a biodegradable, concentrated all purpose degreaser that is effective even when diluted 20:1 making this product a low-use item. Ideal for cleaning engine cowlings, landing gear, wheel wells, and aircraft bellies, this solution easily loosens dirt and grime with its fortified surfactants. This product works great when wiped on or it can also be sprayed on then pressure rinsed for quick, effective cleaning.

EDMO#	MFR#	SIZE
XE3-24	XE3-24	24 oz
XE3-G	XE3-G	1 gallon

BRITE WASH

SHURHOLD
EDMO# YBP-0301
MFR# YBP-0301



Brite Wash is scientifically formulated to clean fiberglass, clear coat, metal, rubber and painted surfaces. Cleans dirt, grease, salt and more without dulling your finish or stripping your wax or polish. This wash resists water spots, will not strip wax or polish, is concentrated and environmentally smart.

- 32 ounce container

SERIOUS MULTI-PURPOSE CLEANER

SHURHOLD
EDMO# YBP-0305
MFR# YBP-0305



Remove tough stains without discoloring or harming the surface. This powerful cleaner contains no bleach and is safe on vinyl, non-skid, and graphics. Perfect for a pre-wax cleaning.

- Works on fiberglass, vinyl, carpet, rubber, teak, acrylic, and canvas
- Used for black streaks, vinyl seating, exhaust stains, bilges, carpet stains, and wheels & rims
- 32 ounce container

ULTIMATE ONE BUCKET SYSTEM

SHURHOLD



The Ultimate One Bucket System is the complete storage and detailing solution. Turn an ordinary 5-gallon bucket into an extraordinary multi purpose utility item that will simultaneously transform your washing experience and gear storage.

- Includes: Rope handle 5 gallon bucket in black or white, bucket lid / padded seat combo, bucket grate, bucket caddy, bucket base, Brite Wash 32oz, Pro Polish Wax 16oz, SMC Cleaner 32oz, Buff Magic Compound 22oz, and Serious Shine 16oz

EDMO#	MFR#	BUCKET COLOR
2465	2465	White
2466	2466	Black

PLEXUS CLEANER PROTECTANT & POLISH

B T I CHEMICAL



20214

Plexus® Plastic Cleaner is specially developed for the aviation industry for cleaning and protecting aircraft windshields. Plexus can also be used on virtually any variety of plastic surfaces. Plexus is an effective solution to clean, protect, and polish all types of plastics. Using Plexus is easy to use — simply spray and wipe with no buffing, mess or waste. Plexus works by sealing the pores within the plastic surface with a thin layer of protective wax to resist debris, oil, dust and lint, and yellowing. Plexus does not leave smears or smudges; instead it leaves surfaces with a lustrous finish — colored plastics are made vibrant and clear plastics become virtually transparent.

- CLEANS: Powerful, safe cleaning without abrasives
- PROTECTS: Seals the pores of the plastic, keeping out contaminants and harsh chemicals
- QUICK: Spray on and wipe off application reduces man hours
- EXTENDS WINDOW LIFE SPAN: Decreases window replacement frequency, reducing life cycle costs
- ANTI-STATIC: Stays cleaner, longer

EDMO#	MFR#	SIZE
20207	20207	7 oz
20214	20214	13 oz

POLISHES & WAXES

METAL POLISH

GRANITIZE



Granitize's XMP Polish system is designed for polishing painted surfaces, aluminum 22916T6 and 2024T6 (both clad and bare), and other metals including steel and titanium. Each polish in the series is color-coded by grade to reduce cross contamination and make each polish grade easily recognizable. The XMP system provides cutting power in progressive steps with multiple polishes ranging from very heavy to extremely fine. This system uses an eco-friendly soy-based carrier that provides improved lubricity during the polishing process. When used according to manufacturer's guidelines, this system produces a smooth, highly reflective, mirror-like surface on brightwork that can be treated with Xzilon molecular adhesion to maintain the finish.

- Eco-friendly soy-based carrier

EDMO#	MFR#	COLOR	GRADE	USE	SIZE
XMP-S.8	XMP-S.8	White	Super Fine	Final polish — mirror-like finish, and painted surfaces	8 oz
XMP-C.8	XMP-C.8	Pink	Coarse	Medium oxidation and scratches	8 oz
XMP-M.8	XMP-M.8	Aqua	Medium	Light oxidation, scratches, rain spotting, and painted surfaces	8 oz

**Other grades/sizes available. Call or visit edmo.com*

EDMO#	MFR#	COLOR	GRADE	USE	SIZE
XMP-F	XMP-F	Yellow	Fine	Swirls, very fine scratches, and painted surfaces	20 oz
XMP-S	XMP-S	White	Super Fine	Final polish — mirror-like finish, and painted surfaces	20 oz
XMP-X	XMP-X	Green	Extra Coarse	Cutting grade — Light pitting and coarse scratches	20 oz
XMP-C	XMP-C	Pink	Coarse	Medium oxidation and scratches	20 oz

**Other grades/sizes available. Call or visit edmo.com*

POLYMER WETCOAT POLISH

GRANITIZE
EDMO#: XPW-P
MFR#: XPW-P



XPW Polymer Wetcoat Polish gives a rich, deep wet look on exterior aircraft surfaces. Containing polymeric resins and UV-50 blockers, extend protection to the paint even at high altitudes. Wetcoat can be used on painted or painted composite, and acrylic windows and provides an application service life from six to twelve months depending on flight and environmental conditions. Maybe applied by hand or machine.

- Provides deep, wet look to exterior aircraft surface
- Containing polymeric resins and UV-50 blockers
- 1 pint container

FAST WAX & DRY WASH

GRANITIZE
EDMO#: XW-9M
MFR#: XW9M-HG



XW-9M Fast Wax and Dry Wash is a "shake and go" solution containing a blend of premium waxes, including carnauba, designed to clean and shine. Its fast-drying formula dries within five minutes, saves time and effort, and leaves a high gloss finish which makes it ideal for both the pre and post flight wipe downs.

- Fast dry formula — dries in five-minutes
- Leaves high gloss finish
- Half-gallon container

HI-GLOSS TIRE DRESSING

GRANITIZE



Hi-Gloss Tire Dressing is perfect for creating that "show" aircraft look. This highly concentrated, durable, water-based dressing can be mixed to the desired gloss level. Tire dressing leaves a long-lasting, high-gloss finish using high quality silicones without any harsh solvents. Hi-Gloss Tire Dressing can be used to protect tires, rubber, vinyl, or plastic surfaces.

EDMO#	MFR#	DESCRIPTION
XT6-P	XT6-P	16 oz pump
XT6-G	XT6-G	1 gallon container

PRO POLISH WAX

SHURHOLD
EDMO# YBP-0202
MFR# YBP-0202



Pro Polish repels water and provides a deep high gloss shine, while protecting surfaces from the harsh effects of the sun with UV inhibitors. Better than an old fashioned wax, Pro Polish is a polymer based formula with cosmetic grade ingredients and contains no fillers or talc. It goes on quicker and easier while protecting finish against sun, salt, acid rain, and other harsh environmental elements. Safe on fiberglass, paint, metal, and more.

- 16 ounce container

SILVER AND PEWTER POLISH

MET-ALL



MET-ALL's Silver and Pewter Polish is formulated to provide deep, scratch-free cleaning, restoring silver and pewter surfaces to a brilliant shine. Its non-abrasive, non-toxic formula leaves a protective layer that helps guard against tarnishing. Perfect for a wide range of items including trophies, antiques, flatware, decorative pieces, and collectibles, this polish enhances luster while being safe, environmentally friendly, and easy to use.

EDMO#	MFR#	SIZE
SP-2	SP-2	2.5 oz tube
SP-10	SP-10	16 oz can

LIQUID METAL POLISH

FLITZ
EDMO# LQ04587
MFR# LQ04587



Flitz Liquid Metal Polish is a diluted version of the original paste formula that cleans and polishes brass, copper, silverplate, sterling, chrome, stainless steel, nickel, bronze, solid gold, aluminum, anodized aluminum, pewter and factory hot gun bluing.

- Cleans, polishes, de-oxidizes, and protects
- Safe for use on most metals, plastics and fiberglass
- 7.6 ounce container

PASTE METAL POLISH

FLITZ

Flitz Paste Polish is a concentrated cream unsurpassed in its ability to clean, polish, de-oxidize and protect. The German-engineered formula provides a durable polish with tough protection. Flitz paste polish is non-abrasive, non-toxic, non-flammable, and USDA authorized for use on food preparation surfaces.

- Anti-tarnish formula
- Paint restorer
- Protects up to 6 months
- Not for electroplated finishes



BU03515

Size:	5.29oz tube or 2lb can
Temperature range:	34°F to 110°F
Mil-spec:	A-A-59318

EDMO#	MFR#	DESCRIPTION
BU03515	BU 03515	5.29 oz tube
CA03518-6	CA 03518-6	2 pound can

CONTACT CLEANERS

DEOXIT® D-SERIES CONTACT CLEANER & REJUVENATOR

CAIG LABORATORIES



DeoxIT® D-Series contact cleaner is a fast-acting deoxidizing solution that cleans, protects, lubricates and improves conductivity on all metal connectors and contacts. Use as a general treatment for connectors, contacts and other metal surfaces, and on non-critical metal surfaces with severe oxidation and corrosion. DeoxIT® dissolves the contamination and protects the surface.

- Improves conductivity
- Deoxidizes, cleans and preserves
- Reduces intermittent connections, arcing & RFI, wear and abrasion

D5S-6

EDMO#	MFR#	DESCRIPTION
D5S-6	D5S-6	Standard spray
D5S-6-LMH	D5S-6-LMH	Adjustable valve

DEOXIT SN5 SHIELD S-SPRAY

CAIG LABORATORIES



DeoxIT Shield S-series spray is a contact lubricant, protectant, and oxidation and corrosion deterrent for metal surfaces. It improves conductivity, maintains optimum signal quality, reduces abrasion, arcing, RFI, intermittent connections, and improves connector performance and reliability. DeoxIT Shield is ideal for protecting surfaces from severe environments such as humidity, salts, pollutants, and sulfur. Use on a clean surface that has been pre-treated with DeoxIT D-series contact cleaner.

- Ideal for severe environments (humidity, salts, pollutants, sulfur, etc.)
- Provides excellent protection, conductivity, lubrication
- Creates a long lasting barrier against oxidation and corrosion
- No ozone depletion
- Reduces intermittent connections, arcing, RFI, wear and abrasion

SN5S-2N

EDMO#	MFR#	SIZE
SN5S-2N	SN5S-2N	40 g
SN5S-6N	SN5S-6N	5.75 oz / 163 g

DEOXIT DN5 CONTACT CLEANER & REJUVENATOR SPRAY



CAIG LABORATORIES
EDMO#: DN5S-6N
MFR#: DN5S-6N

DeoxIT DN5 spray is a unique contact cleaner, rejuvenator, conductivity enhancer, and lubricant. It dissolves oxidation and corrosion, fills in microscopic gaps, and reseals metallic surfaces to improve the flow of electricity between contacts. D-series improves connector performance and reliability.

- DeoxIT D100L concentrate has approximately 20% chemical cleaning action
- Provides excellent cleaning, deoxidizing, and protection
- No ozone depletion
- Improves conductivity
- Reduces intermittent connections, arcing, RFI, wear and abrasion
- 5 ounce aerosol

DEOXIT CONTACT CLEANER



CAIG LABORATORIES
EDMO#: D100L-P6C
MFR#: D100L-P6C

DeoxIT contact cleaner is a fast-acting deoxidizing solution that cleans, protects, lubricates and improves conductivity on all metal connectors and contacts. Use as a general treatment for connectors, contacts and other metal surfaces, and on non-critical metal surfaces with severe oxidation and corrosion. If the metal surface is discolored, it is severe. DeoxIT dissolves the contamination and protects the surface. For reference, DeoxIT has approximately 20% cleaning action.

- Deoxidizes, Cleans & Preserves
- Reduces Intermittent Connections, arcing, RFI, wear and abrasion
- Temperature Range: -34 C (-29 F) to +200 C (400 F)

DEOXIT® G-SERIES CONTACT ENHANCER, CONDITIONER & PROTECTOR



CAIG LABORATORIES
EDMO#: G5S-6
MFR#: G5S-6

DeoxIT Gold G100L is a unique cleaner, enhancer, lubricant and protector for plated metal contact surfaces. It is designed to improve conductivity, maintain optimum signal quality, reduce fretting and dendrite corrosion, and stabilize connections between contacts. The DeoxIT Gold coating reduces abrasion, arcing, RFI, intermittent connections, and improves connector performance and reliability.

- Excellent conductivity enhancing, protection, and minimum cleaning/deoxidizing
- Protects base metals
- Adjustable valve
- 5 ounce aerosol

SERIOUS SHINE



SHURHOLD
EDMO# YBP-0701
MFR# YBP-0701

The ultimate aerosol cleaner. This handy spray cleans, polishes, and protects almost any surface in one step without any greasy residue. Perfect for cleaning electronics, isinglass, and other sensitive surfaces. Also, contains UV inhibitors and anti-static properties, further protecting all types of surfaces. Serious Shine is the perfect quick detailer.

- 14 ounce aerosol

ELECTRO-WASH



Electro-Wash® degreasers are advanced universal cleaning solutions specifically designed for electronics, delivering fast-drying, residue-free performance that ensures optimal functionality and reliability.
Electro-Wash comes in various formulas to meet cleaning your needs.

- Safe on plastics
- Evaporates quickly without leaving residue
- Penetrates to clean hard to reach areas
- All-Way Spray valve; sprays in any direction

ES1210

EDMO#	MFR#	DESCRIPTION
ES1210	ES1210	PX, Extra Strength, Flammable, 12.5 oz
ES6100	ES6100	VZ, Economical, Non-Flammable, 12 oz

FLUX-OFF ROSIN



Flux-off® Rosin formulation is fast drying and quickly removes R, RMA, RA, and synthetic flux residue. With its low surface tension and superior wetting properties, Flux-off removes harmful residues in tight tolerance spaces.

- Safe on plastics
- Removes ionic and non-ionic activators
- Leave no residue
- Flammable
- Dries fast

ES1035

EDMO#	MFR#	DESCRIPTION
ES1035	ES1035	CFC Free, 10 oz aerosol
ES135	ES135	1 gallon can

FREEZE-IT / CFC FREE



EDMO# ES1051
MFR# ES1051

Freeze-It Anti-static spray is engineered for locating thermal intermittent electrical components or cooling printed circuit boards with minimal static generation. This circuit refrigerant system is non-flammable, residue-free, and provides fast cooling action.

- Pinpoint spray isolates components
- Anti-static formula ideal for static sensitive components
- Rapidly cools down to -60°F/-51°C
- CFC/HCFC free
- Minimal frost formation
- 10 ounce aerosol
- CFC/HCFC free

INTERIOR & COCKPIT CLEANERS

ICLOTH® AVIONICS WIPES



iCloth® Avionics wipes are individually wrapped, anti-static cleaning wipes that keep electronics display surfaces like glass panel avionics and tablets clean and free of dust, grime, and fingerprints. iCloth wipes are made of aviation-grade Sontara®, a super-soft fabric designed to clean glass surfaces without leaving any residue or streaks. Sontara® is made using a process called hydro-entangling. Pulp and polyester fibers are tangled together by pounding them with high-pressure water jets. This process removes all contaminants and excess lint, leaving a hypoallergenic cloth that is free of any binders or glues that can break down during cleaning and leave streaks. Each wipe is individually packaged to preserve product quality and to allow for easy storage.

- Crafted with Sontara®, a super soft aerospace-grade fabric that cleans glass surfaces without leaving scratches or streaks
- Individually wrapped wipes
- Safe for avionics and meets the requirements set by Air Canada, USAF, US Navy, Boeing, Bombardier, Japan Defense Agency, and others

Weight:	0.16 oz (single packet)
Dimensions:	5.25 × 7.25 in (unfolded wipe)
Cleaning formulation:	Pre-moistened with proprietary water-based liquid formula containing purified water, isopropyl alcohol, & cleaning agents
Cleaning formulation approval:	Boeing D6-7127 Revision P
Approvals:	Aerospace Material Specification AMS 3819B, Class 2, Grade A Boeing Material Specification BMS 15-5F, Class A Douglas Material Specification DMS 1820E

EDMO#	MFR#	QUANTITY
ICA24	iCA24	Box of 24
ICA100	iCA100	Box of 100
ICA500	iCA500	Box of 500

CLEANER FOR CRT SCREENS/EFIS

EDMO# CSP20
MFR# CSP20



Screen Prep™ presaturated wipes are a convenient cleaning and static control system for use on monitor screens. The two-part system is excellent for use on computer screens, scope and dial faces, and the glass or plastic surface of instruments. Highly effective, these cleaning wipes are safe on plastics and ideal for cleaning sensitive surfaces. Screen Prep provides a static-dissipative treatment to the surface to control static-generated contamination. It removes dust, fingerprint oils, and other vision inhibiting contaminants with no residue. Screen Prep™ Presaturated Wipes contain isopropyl alcohol and an anti-static agent.

- Wet pad cleans & applies static protection; dry pad wipes screen optically clear
- Package contains: 25 twin packs (one 3 x 4 presaturated pad, and one 4 x 6 in polishing pad)

AVIONICS SCREEN CLEANER

EDMO#: AERO600
MFR#: A6004



The Aero 600 avionics cleaner eliminates fingerprints, streaks, dust, dirt, oils, from avionics, glass cockpit screens, electronic flight bags, GPS/PDA screens, Laptop, LCD & iPhone screens. It is non-toxic and completely bio-degradable, manufactured to exacting standards from the highest quality all-natural plant-derived materials. AERO-600 is water based, nonflammable, & contains no alcohol, solvents, phosphates, petroleum based, or harsh ingredients & gives off no VOCs.

- 4 ounce spray container

ULTRAJET DUSTER / CFC FREE

EDMO# ES1015
MFR# ES1015



Ultrajet® 70 is a general purpose duster for electronic applications. It removes dirt, dust, oxide particles and other airborne particles instantly, and can be used to facilitate the accelerated drying of solvent cleaners.

- Safe on plastics
- Non-flammable
- High powered cleaning strength
- Ozone safe
- Filtered to 0.2 microns
- 100% ultra-pure HFC-134a — leave no residue
- 10 ounce aerosol

ANTENNA & FUEL TANK SEALANTS

FLAMEMASTER SEALANT

NATIONAL SEALANTS & LUBRICANTS
EDMO#: CS3204B1/2
MFR#: CS3204B1/2 25GM



The Flamemaster is a fuel resistant sealant for use on integral fuel tanks and pressurized cabins as well as other areas such as antennas that are subject to contact with lubricants, oils, water and/or weathering. At room temperature, this two-part polysulfide cures to a flexible, resilient rubber with excellent adhesion to aluminum, magnesium, titanium, steel, and numerous other materials.

- Meets the requirement of specifications AMS-S-8802 formerly MIL-S-8802, CMNP021, Lockheed, Gulfstream, Hughes Aircraft, Fairchild SPS 6-1 & 6-2.

Size:	25 grams
Cure profile:	Application Life- ½ hour; Tack Free Time- 8 hours; Cure Time- 30 hours
Storage life:	9 months

RTV ADHESIVE & SEALANT

DOW CORNING



Dow Corning® RTV 3145 MIL-A-46146 is often used by pilots as an aviation sealant for aircraft repairs on various parts of the airplane including openings and cracks in metal casings. This RTV 3145 adhesive and sealant adheres well to glass, metals, ceramics, silicone rubber, and plastics with no mixing required. It provides enhanced thermal stability and remains stable from -50°C to 200°C while offering excellent dielectric properties. RTV 3145 is non-flow and provides primer-less adhesion, vibration resistance, moisture protection, and resistances to thermal and mechanical shock.

- Room temperature cure
- High tensile strength and elongation
- MIL-A-46146 Group II/III, TY I
- Can be considered for uses with Mil Spec requirements or needing special high temperature stability

Size:	3 oz
Extrusion rate:	121 g/min
Flow rate:	0/1 in.
Tack-free time:	78 min
Non volatile content:	96.2%
Tensile strength:	1035 psi
Elongation:	670%
Tensile modulus:	150 psi
Tear strength:	190 ppi
Shelf life:	12 months

EDMO#	MFR#	COLOR
3145/3OZ/C	DC1610431	Clear
3145/3OZ/G	DC3138313	Gray

RAPID CURE INTEGRAL FUEL TANK SEALANT

NATIONAL SEALANTS & LUBRICANTS



NSL1422RC Class A is a fuel resistant sealant for use on integral fuel tanks and pressurized cabins as well as other areas subject to contact with aircraft fuels, lubricants, oils, water and/or weathering. This Class A two-part polysulfide base compound cures at room temperature to a flexible, resilient rubber.

- Heat-accelerated curing
- Replacement for PR-1422 Class A (PMA No. PQ4210CE)
- Excellent adhesion to aluminum, magnesium, titanium, steel and numerous other aircraft substrates
- Designed to withstand the attack of sulfur compounds that are present in jet fuels and aviation gas
- Service temperature range -65°F(-54°C) to 250°F(121°C) with excursions to 275°F (135 °C)
- Suitable for application by brush to thickness of up to 25 mils

Viscosity:	Base - 250, curing – 1,000
Non-volatile content:	86%
Mixing ratio:	100:12 (by weight), 100:8.3 (by volume)
Color:	Base - off-white, Curing agent – black, Mixed - gray
Shelf life:	9 months

EDMO#	MFR#	DESCRIPTION
1422A12PT	NSL1422RC A1/2	1 pt, class A, 30 min work time
1422A12QT	NSL1422RC A1/2	1 qrt, class A, 30 min work time
1422A2PT	NSL1422RC A2	1 pt, class A, 2 hr work time
1422A2QT	NSL1422RC A2	1 qrt, class A, 2 hr work time
1422B126	NSL1422RC B1/2	6 oz, class B, 30 min work time
1422B12PT	NSL1422RC B1/2	1 pt, class B, 30 min work time
1422B12QT	NSL1422RC B1/2	1 qrt, class B, 30 min work time
1422B26	NSL1422RC B2	6 oz, class B, 2 hr work time
1422B2PT	NSL1422RC B2	1 pt, class B, 2 hr work time
1422B2QT	NSL1422RC B2	1 qrt, class B, 2 hr work time

B&B 5151-B POLYSULFIDE PAINT & SEALANT REMOVER

NATIONAL SEALANTS & LUBRICANTS
EDMO# 5151-B
MFR# 5151-B



B&B 5151-B is a viscous liquid compound for removing high and low VOC polysulfide primers and sealants from metallic aircraft surfaces. Apply to coatings to be removed from metal surfaces by spray, flow, mop, brush or dip. Prior to application, surfaces should be clean and free of water. B&B 5151-B removes polysulfide primers and sealants and some polyurethane top coats.

- 5 gallon pail
- Contains no chlorinated solvents, phenols, heavy metals, chromates
- Safe on aluminum, magnesium, steel, high strength steel, cadmium, titanium, and other structural metals
- Low odor
- Flash point over 200° F (93°C)

CLEANING ACCESSORIES

DUAL ACTION POLISHER

SHURHOLD



The Dual Action Polisher was designed to allow users to achieve the same high gloss, professional finish that the pros do with a rotary buffer/polisher, but in a unit that less-experienced, everyday users can operate with the same effectiveness. Traditional rotary polishers have a larger wheel spinning at a high rpm, which means the operator's technique is important as to avoid burns and swirls. The Shurhold polisher's dual action, 6-inch oscillating head eliminates these issues and allows anyone to get the same great finish, without burns or swirls.

- Quick change pads with Velcro backing
- GFCI (ground fault circuit interrupter) cuts off power to the unit should it become shorted by water,
- 20-foot power cord

DUAL ACTION POLISHER ACCESSORIES



3201, 3202, 3203 Scrubber Pads





3151 Buff Magic



3152 Polish Pad

3205, 3206, 3207 Scrub Brushes

Weight:	4.8 lb
Rated voltage:	120 VAC
Frequency:	60 Hz
Rated current:	4.2 Amp
Rated power:	500 Watt

EDMO#	MFR#	DESCRIPTION
3100	3100	Dual Action Polisher
3101	3101	Dual Action Polisher Starter Kit | Includes: 16oz Pro Polish, Pad, and Microfiber towel
ACCESSORIES		
3151	3151	Buff Magic compounding pad | 2 pack
3152S	3152	Pro polish pad | 2 pack
3153S	3153	Microfiber bonnet
3154S	3154	Buff Magic foam compounding pad | 2 pack
3201S	3201	Fine scrubber pad
3202S	3202	Medium scrubber pad
3203S	3203	Coarse scrubber pad
3205S	3205	Stiff scrub brush
3206S	3206	Medium scrub brush
3207S	3207	Soft scrub brush
3210S	3210	Magic wool polisher pad | 2 pack

DUAL ACTION POLISHER PRO

SHURHOLD

The Dual Action Polisher Pro is a more powerful version of the Shurhold Dual Action Polisher, the PRO features an XL, 21 mm orbit. The random orbit motion will still protect your finish from burning and swirling while giving you the professional results you desire.



- Variable speed: 1800-4800 OPM
- Locking ON button
- Thumb controlled variable speed dial
- EZ change carbon brush ports
- 20-foot power cord

DUAL ACTION POLISHER PRO ACCESSORIES



3552



3554



3555

Weight:	5.2 lb
Rated voltage:	120 VAC
Frequency:	60 Hz
Rated current:	7.5 Amp
Rated power:	900 Watt

EDMO#	MFR#	DESCRIPTION
3500	3500	Dual Action Polisher Pro
ACCESSORIES		
3552	3552	Pro polish foam pad | 7 inch, red
3554	3554	Buff Magic pad | 7 inch, orange
3555	3555	Buff Magic HD pad | 7 inch, blue

ONE BUCKET SYSTEM

SHURHOLD

Turn an ordinary 5-gallon bucket into an extraordinary multi purpose utility item that will simultaneously transform your washing experience and gear storage.



EDMO#	MFR#	DESCRIPTION
2461	2461	White ONE Bucket Kit | Includes: 5 gallon bucket, caddy, grate, and lid/padded seat
2462	2462	Black ONE Bucket Kit | Includes: 5 gallon bucket, caddy, grate, and lid/padded seat
2463	2463	Deluxe ONE White Bucket Kit | Includes: 5 gallon bucket, caddy, grate, lid/padded seat, and base
2464	2464	Deluxe ONE Black Bucket Kit | Includes: 5 gallon bucket, caddy, grate, lid/padded seat, and base
INDIVIDUAL PIECES		
240	240	Bucket base
2401	2401	Bucket seat | white
2402	2402	Bucket grate
2403	2403	Bucket seat | black
2404S	2404	Bucket caddy
2431	2431	White bucket | 3.5 Gallon
2432	2432	Black bucket | 3.5 Gallon
2451	2451	White bucket | 5 gallon
2452	2452	Black bucket | 5 gallon

PRO ROTARY POLISHER

SHURHOLD



The Shurhold Pro Rotary Polisher is a professional grade tool designed to quickly remove heavy oxidation and correct surface imperfections. Built with EZ Clean Mesh Intake Vents, EZ-Change Carbon Brushes, and a soft start trigger. Prior experience with a rotary tool is recommended before using this machine.This super powerful true Rotary Polisher cuts, polishes, and buffs to bring out a mirror-like finish in even the dullest surface.

PRO ROTARY POLISHER ACCESSORIES



YBP-5100



YBP-5103



YBP-5203

Weight:	6.6 lb
Rated voltage:	120 VAC
Frequency:	60 Hz
Rated current:	12 Amp
Rated power:	1400 Watt

EDMO#	MFR#	DESCRIPTION
3400S	3400	Pro Rotary Polisher
ACCESSORIES		
YBP-5100	YBP-5100	Quick change pad holder
YBP-5103	YBP-5103	Buff Magic compounding pad
YBP-5109	YBP-5109	Zero swirl compounding pad
YBP-5112	YBP-5112	Super cut compounding pad
YBP-5203	YBP-5203	Pro polish pad

MICROFIBER TOWELS

SHURHOLD
EDMO# 294
MFR# 294



Microfiber towels lift and trap dirt, moisture & grease, unlike regular cotton towels, which just push contaminants across the surface. These towels are extremely soft, gentle, and super absorbent so they won't scratch. A must have for electronic screens, isinglass, and more.

DELUXE WATER SPRITE TOWEL

SHURHOLD
EDMO# 217S
MFR# 217S



This ultra-absorbent Water Sprite Woven PVA drying cloth is 50% more absorbent than natural chamois and resists the growth of mold and mildew. The towels prevent water spots on all surfaces and come in an extra-large size of 23.25 x 31 inches (59 x 78 cm).

SHURHOLD HANDHELD TOOLS

SHURHOLD



272



274



276S



260



288

EDMO#	MFR#	DESCRIPTION
BRUSHES		
272	272	Scrub brush
274	274	Dip and Scrub brush | compact handle
276S	276	Long Dip and Scrub brush | 20 inch handle
WATER BLADE		
260	260	Shur-Dry flexible water blade
265	265	Shur-Dry flexible water blade adapter (for use with Shurhold handles)
OTHER		
288S	288	Hose nozzle

SHURHOLD SYSTEM

SHURHOLD

Shurhold's special application series of brushes, mops, and squeegees are designed for more specialized work beyond just regular washing. This series includes attachments compatible with Shurhold handles. Brushes are based out of a solid wood block with a rubber wrap-around bumper to prevent marking any surface.



308



960



117



120



1424



1710C



833

EDMO#	MFR#	DESCRIPTION	USE
BRUSHES			
308	308	Soft window & hull brush | 8 inch	Safe on gelcoat, clear coat, fiberglass and paint
960	960	Soft deck brush | 6 inch	Safe on gelcoat, clear coat, fiberglass and paint
980	980	Soft deck brush | 10 inch	Safe on gelcoat, clear coat, fiberglass and paint
BROOMS/MOPS/SQUEEGEES			
117	117	Deluxe water sprite mop	Ideal for drying and preventing water spots
120	120	Angled floor broom	Flared bristles for hard to reach places
1424	1424	24-Inch floor squeegee	Ideal for removing water & preventing water spots
HANDLES			
833	833	Telescoping extension handle | 6ft (43–72 in)	
855	855	Telescoping extension handle | 9ft. (63–108 in)	
SWIVEL PAD			
1710C	1710C	Swivel pad and lambs wool cover combo | Includes: swivel pad base and synthetic lambs wool cover	
ADAPTERS			
102CH	102CH	Curved adapter | 10 in	

AEROMITT SURFACE PREP MITT

GRANITIZE
EDMO# X-AEROMITT
MFR# X-AEROMITT



The AeroMitt quickly and easily removes paint overspray, industrial pollution, and contaminants from an aircraft's surface to create the smoothest possible surface. Easy to use, the AeroMitt reduces labor costs and training time when preparing an aircraft's surface. To help get the most of the AeroMitt, the AeroLube Lubricant is a necessary companion and is formulated to allow the AeroMitt to perform at its maximum capacity.

- An excellent replacement for clay bars; the Aeromitt works faster, prevents contamination, and outlasts a clay bar 10 to 1
- Easily removes surface contaminants and overspray
- Glides over cleaning surfaces
- Saves up to 70% labor cost in surface prep
- AeroMitt system is approved for use on Boeing, Douglas, and AMS

LIGHT DUTY GRANA-CLAY BARS

GRANITIZE
EDMO# XC-12L
MFR# XC12-LT



Grana-Clay Bars provide a quick method to smooth rough areas, caused by oxidation and aging, on painted surfaces or on the brightwork of an aircraft. Choose from three grades, depending on the condition of the surface, to help achieve that aerodynamic finish: heavy (purple), medium (light blue), or light duty (dark blue). Ideal for working in tight spaces and around curved surfaces, clay bars effectively remove embedded contaminants and overspray in the paint. Maybe used by hand or machine with the H-111 clay bar holder and backing plate. It is recommended to use XC11 as a lubricant.

- Smoothes rough areas caused by oxidation and aging
- Ideal on painted surfaces and brightwork
- Effortlessly works around curved surfaces and tight spaces

CLOTH APPLICATOR

GRANITIZE
EDMO# H-38XA
MFR# H-38XA



Cloth for proper application of Granitize products for aircraft cleaning.

MICROFIBER POLISHING CLOTH

FLITZ



Super-Premium 16 x 16 inch Gray Microfiber Polishing Cloth. Clean faster, easier, and cheaper for use on any surface. Removes dust, dirt, fingerprints, grease and oil, polish, waxes, bugs and tar, and nicotine film. Use wet or dry. When applying or removing wax, use DRY only. Flitz Premium Microfiber Polishing Cloths can be used over and over and over—up to 500 times! Following the simple care instructions below will ensure your cloth has a maximum life. Cloths do not need to be washed after every use when used only for dusting. Just shake out the cloth or rinse in hot, sudsy water.

- Made from Starfiber® Microfiber technology
- Streak-free
- Thick commercial grade
- Absorbs 4 times its weight in liquid

EDMO#	MFR#	DESCRIPTION
MC200	MC200	Microfiber polishing cloth
MC16164	MC16164	Microfiber polishing cloth | 4 pack

COTTONTIPS SWAB

EDMO# CT200
MFR# CT200



The Cottontips™ Swab consists of cotton fibers that are tightly wrapped around a wooden handle to prevent any residual lint. These cotton swabs have excellent absorbency and high strength—especially when saturated with water. These swabs are designed for cleaning applications where absorbency is critical.

- High-strength, durable cleaning head for rigorous cleaning
- Tightly wrapped cotton head construction
- High absorbency capacity and rate
- Good solvent compatibility
- 100 qty, double-head cotton swabs

ACID BRUSH

WALDOM ELECTRONICS
EDMO# 10-251
MFR# 10-251



Brushes for cleaning with solvents, applying coatings, and a host of other uses. These brushes are economical enough to use as throw-away in many applications. Handles are of tin-plated steel and bristles are medium-fine horsehair.

- Set of 4 brushes – 6 in long

Test Equipment

Flight Line Test Sets 174
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FLIGHT LINE TEST SETS

AVX-10K FLIGHT LINE TEST SET

VIAVI SOLUTIONS



The AVX-10K is a comprehensive flight line test solution providing today's avionics technician with an easy-to-use instrument for many maintenance needs. From a quick airborne system auto-test to an in-depth troubleshooting tool, testing can conveniently be done around the aircraft or in the cockpit from the touchscreen display or using your mobile device. Easy set-up, quick testing, and reporting are transferable via USB, Ethernet, and wireless done from a modern user interface or the VIAVI Solutions Mobile Tech App.

Building on nearly 50 years of providing superior avionics test sets, the AVX-10K is a compact, durable tester capable of providing a wide range of quick airborne system auto-tests and in-depth troubleshooting using software-specific applications.

- Configurable test capability
- Intuitive user interface
- Software-defined applications
- Remote operation
- Guided Test for Navigation Applications
- Built-in GPS receiver
- International test configurations
- Time-saving ease of operation
- Easily updated with future applications
- Conveniently test in and around the aircraft from your mobile device
- Recall saved test sequences for future use
- Provides accurate positional data for ADS-B testing
- The AVX-10K Navigation Package includes: AVX-10K Base Unit, AC Power Adapter, Hand Strap, Operations and Quick Start Manuals, Hard Transit Carrying Case, Adapter Kit Short/Load, VOR/ILS Antenna, Marker Beacon Antenna, 6' Coax Cable, Software Options: DME, Navigation (ILS/MB/VOR), and Radio Test AM/FM (Comms)
- The AVX-10K Surveillance Package includes: AVX-10K Base Unit, AC Power Adapter, Hand Strap, Operations and Quick Start Manuals, Hard Transit Carrying Case, Adapter Kit Short/Load, 6' Coax Cable, RF Flat Panel Antenna with 1' Cable, Software Options: Transponder Modes (A,C,S), ADS-B in/out/GICB/Target Gen/FIS-B, and DME.
- The AVX-10K COMM/NAV/SVLC Package includes: AVX-10K Base Unit, AC Power Adapter, Hand Strap, Operations and Quick Start Manuals, Hard Transit Carrying Case, Adapter Kit Short/Load, VOR/ILS Antenna, Marker Beacon Antenna, 6' Coax Cable, RF Flat Panel Antenna with 1' Cable, UC-584 & UC-584S coupler with two 25' cables, Software Options: Transponder Modes (A,C,S), ADS-B in/out/GICB/Target Gen/FIS-B, DME, Navigation (ILS/MB/VOR), and Radio Test AM/FM (Comms).

Weight:	6.5 lb (2.94 kg)
Dimensions:	12 x 5.3 x 3.75 in (30.48 x 13.5 x 9.5 cm)
Battery Life:	4 hrs Continuous, 8 hrs Typical
Power:	100–250 VAC, 1.5 A max, 47-63hz
Temperature Range	Operating: -4 to 131°F (-20 to 55°C) Storage: -22 to 159.8°F (-30 to 71°C)
Relative Humidity:	95% (±5%) from 41 to 86°F (5 to 30°C) 75% (±5%) from 86 to 104°F (30 to 40°C) 45% (±5%) from 104 to 131°F (40 to 55°C)
Altitude:	4,800 m
EMC:	EN 61326
Safety Compliance:	UL-61010B-1, EN 61010-1, CSA 22.2 No 61010-1

EDMO#	MFR#	DESCRIPTION
AVX10KFLTS	AVX-10K-FLTS	AVX-10K Flight Line Test Set
AVX10K-CNS	AVX-10K-CNS	AVX-10K Flight Line Test Set | COMM/NAV/SVLC Package
AVX10K-NAV	AVX-10K-NAV	AVX-10K Flight Line Test Set | Navigation Package
AVX10KSVLC	AVX-10K-SVLC	AVX-10K Flight Line Test Set | Surveillance Package
MILITARY PACKAGES		
AVX10K-MIL	AVX-10K-MIL	Military AVX-10K | COMM/NAV/SVLC Package
AVX10KNAVM	AVX-10K-NAV-M	Military AVX-10K | Navigation Package
AVX-SVLC-M	AVX-10K-SVLC-M	Military AVX-10K | Surveillance Package
SOFTWARE OPTIONS		
10K-SCOM	AVX-10K-SCOM	Radio Test AM/FM (Comms)
10K-SELT	AVX-10K-SELT	ELT 121.5, 243, 406 MHz
10K-SNAV	AVX-10K-SNAV	Navigation (ILS/MB/VOR)
10K-STACAN	AVX-10K-STACAN	TACAN (Tactical Air Navigation)
10K-STCAS	AVX-10K-STCAS	TCAS I/II
10K-SUAT	AVX-10K-SUAT	UAT In/Out
ACCESSORIES		
142839	142839	50-foot Coax Cable
AC10K-CC	AC10K-CC	Soft Sided Carrying Case
PWRADPTR	AC10K-PWRADPTR	AC/DC Power Adapter
PWRCRD-US	AC10K-PWRCRD-US/CAN	AC Power Cord | U.S. & Canada

UC-584 UNIVERSAL TRANSPONDER ANTENNA COUPLER

VIAVI SOLUTIONS



The UC-584 provides reliable effective radiated power (ERP) and transponder minimum trigger level (MTL) testing in high multipath ramp and hangar environments. Provides 20 dB of transponder antenna isolation, ensuring airborne TCAS systems and SSR ground stations do not see UUT transponder altitude replies under test conditions where the air-data system is pressurized to flight levels. This innovative design includes an integral positioning slot that improves the ability to replicate measurements and produce repeatable ERP tests. Comes in single or dual antenna coupler kits.

Weight:	2 lb (0.9 kg)
Dimensions:	5.25 x 5.75 x 8.25 in (13.3 x 14.6 x 20.9 cm)
Frequency:	1030 MHz, 1090 Mhz
Return Loss:	>7.71 dB at both the antenna under test input
Insertion Loss:	0.6 dB ±0.5 dB
Repeatability:	<1 dB
Isolation:	>20 dB
Connector:	TNC female

EDMO#	MFR#	DESCRIPTION
UC-584 KIT	112350	UC-584 Coupler Kit Single Antenna
UC-584DUAL	112349	UC-584 Coupler kit Dual Antenna
UC-584S	UC-584S	UC-584S Antenna Coupler Top Mount
87431	87431	UC-584 Universal Transponder Antenna Coupler (Lower Coupler)
ACCESSORIES		
88846	88846	Soft Sided Case
141131	114131	24ft COAX with One Straight and One 90° Connector

TC-201 TRANSPONDER ANTENNA COUPLER

VIAVI SOLUTIONS



The TC-201 transponder antenna coupler kit provides shielding for TCAS and combined TCA transponder directional antenna during testing procedures on the transponder system. This antenna coupler supports maintenance testing in airborne conditions and reduces interference from air traffic control or nearby nearby aircraft. It is compatible with Collins TSA-4100 and similar equipment.

- Accommodates both phase and amplitude-type antennas
- Reliable, FAR Part 43, Appendix F, ERP, and MTL testing in high multipath environments
- Provides proper shielding for all transponder and ADS-B performance testing
- Lower antenna adjustable support pole
- Perform four-quadrant testing by simply rotating the bearing selector dial
- A high level of measurement repeatability is achieved, saving test time
- Tests all quadrants of directional TCAS or TCAS/Transponder antennas
- No need to achieve line-of-sight with the antenna under test
- Eliminates the need for DD-1494 Frequency Authorization
- Designed to allow couplers to be used with many TCAS/transponder test sets

Weight:	11 lb
Dimensions:	19 in
Frequency:	1030–1090 MHz
Return Loss:	>9 dB
Insertion Loss:	15.5 dB (typical)
Repeatability:	<1 dB
Isolation:	>20 dB
TCAS Bearing Accuracy:	18° (max) / < 10° (typical)
Connector:	TNC Female

EDMO#	MFR#	DESCRIPTION
140889	140889	TC-201A Antenna Coupler | For 110-inch Fuselage
22164588	22164588	TC-201A Dual Antenna Coupler Kit
TC-201B	22163082	TC-201B Antenna Coupler | For 92-inch Fuselage
ACCESSORIES		
142742	142742	TC-201A Antenna Coupler Pole

ALT-8000 PULSE RADIO ALTIMETER TEST SET

VIAVI SOLUTIONS



The ground-breaking ALT-8000 is a unique, RF-based portable radio altimeter flight line test set for 4.3 GHz frequency-modulated continuous carrier wave (FMCW) radio altimeters and pulse radio altimeters. Its large 12-inch color touchscreen is easy to use and backlit for low-light conditions. Unlike earlier RF-based test systems, the ALT-8000 is portable and light—meaning it can be moved from the bench to the flight line for testing. Connection is simple; it can be directly connected to the transmitter/receiver ports, or the user can rely on the TX/RX antenna couplers for even faster testing.

- Directly connect to UUT T/R or to the installed system via antenna couplers
- Full RF loop test allows TX, RX, antenna, or feeder faults to be identified
- Multi-channel operation (via additional test sets)
- Programmable multi-leg climb/descend profiles
- Remote control interface USB/LAN

Weight:	15.5 lb
Dimensions:	10.6 x 13.9 x 3.4 in (27 x 35.5 x 8.7 cm)
Direct TX/RX Connection Ports:	Impedance: 50Ω SWR: 2.5:1 TX / 3:1 RX
Temperature Range:	Operating: -20°C to 55°C Storage: -51°C to 71°C

EDMO#	MFR#	DESCRIPTION
ALT-8000	87340	Radio Altimeter Test Set
ACCESSORIES		
139137	139137	Carrying Case with Wheels

GPSG-1000 PORTABLE SATELLITE SIMULATOR

VIAVI SOLUTIONS



The portable GPS and Galileo positional simulator, the GPSG-1000, provides 3D positional simulation with five channels for RAIM operation and one channel that can be allocated to SBAS simulation. The GPSG-1000 provides static or multi-leg dynamic positional simulation via a route and waypoint entry system (including LPV approaches). It provides user- or built-in GPS receiver-referenced time and date and a remote control ethernet interface.

- Software upgradeable with a 12-channel option.
- GPS signals simulated: L1, L1C*, L2C*, L5*
- Galileo signals simulated: E1, E5**, E5a**, E5b**
- Simultaneous GPS/Galileo simulation
- WAAS/EGNOS SBAS simulation
- Static and dynamic simulations via NMEA-0183 file record and playback
- 12-channel configuration available with upgrade path (RAIM supported)
- Programmable space vehicle (SV) parametrics and health
- User- or built-in GPS receiver-referenced time and date
- PVT data available via RS-232
- User-defined data is transferable between linked GPSG units
- Remote control interface Ethernet

** For tracking of L1C, L2C, or L5 signals, some receivers require synchronized L1 transmissions.*

*** For tracking of E5 signals, some receivers require synchronized E1 transmissions.*

Weight:	15.5 lb (test set only)
Dimensions:	10.6 x 13.9 x 3.4 in (27.0 x 35.5 x 8.7 cm)
Direct Connection Ports:	Impedance: 50Ω SWR: 1.3:1 (max) Connector: TNC (2 ea.) Coupling: AC (max DC input 50V)
Temperature Range:	Operating: -20°C to 55°C Storage: -30°C to 71°C

EDMO#	MFR#	DESCRIPTION
GPSG-1000	87339	GPSG-1000 with GPSG-OPT01
141591	141591	GPSG-1000 with ADS-B Integrity Option
OPTIONS		
GPSG-OPT03	140607	ADS-B Integrity Test Option

*continued on next page

EDMO#	MFR#	DESCRIPTION
ACCESSORIES		
87636	87636	Antenna Coupler
90106	90106	Antenna Coupler Placement Pole/8 ft with D-ring
90113	90113	RX Antenna
90948	90948	3 Way Assembly Combiner
91136	91136	Kit Coupler Dual Antenna GPS System
113108	113108	190Ω GPS Receiver Terminator Kit

APM-424V5 MK XIIA FLIGHT LINE TEST SET

VIAVI SOLUTIONS



The AIMS-certified APM-424 or U.S. Military TS-4530 Test Set easily accommodates a variety of aircraft and ground/ship-board platforms to test transponder and interrogator performance, including Mode S Elementary and Enhanced Surveillance, as well as growth to Mode 5. The test set is ruggedized and has passed all military requirements for safety and environmental conditions. The APM-424V5 supports both DoD AIMS 04-900A Option A (KIV-78) and Option B (KIV-77) crypto appliqués.

- DoD AIMS 03-1000A Mark XIIA (Mode 5 level 1 and 2) certified*
- Transponder Test Set Modes 1, 2, 3/A, C, 4, S, and Mode 5* (Level 1 and 2)
- Mode S Elementary and Enhanced Surveillance
- Interrogator Test Set Modes 1, 2, 3/A, C, 4, S, TCAS, ETCAS, and Mode 5* (Level 1 and 2)
- Factory upgrade kits available for APM-424(V)3 and TS-4530 units
- GSA Contract #GS-07F-5985R

**APM-424(V)5 only*

Weight:	12.25 lb
Dimensions:	7.5 x 11.5 x 14.1 in
Temperature Range:	Operating: -40°C to 55°C Storage: -55° to 85°C
Certification:	MIL-PRF-28800F, Class 2, MIL-STD-810F, CE, DoD AIMS MK XIIA Level 1 and Level 2

EDMO#	MFR#	DESCRIPTION
APM-424V5	86335	MK XIIA Test Set with KIV-77 Adapter
424V5-78	91066	MK XIIA Test Set with KIV-78 Option
ACCESSORIES		
55-1045-10	58077	Replacement KIR-1C COMSEC Cable Kit
55-1045-11	58078	RF Direct Connect Cable
22150762	22150762	AC Power Adapter

WITH OVER 50 YEARS OF EXPERIENCE, EDMO KNOWS QUALITY.

Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

FLIGHT DATA ACQUISITION UNITS

DATA ACQUISITION RUGGEDIZED TOOL

KGB AVIATION SOLUTIONS



The Data Acquisition Ruggedized Tool (DART) is a proprietary flight data acquisition tool developed by KGB Aviation. Leveraging modern-day technology, the device can be remotely accessed through a secure web portal. The basic function of the tool is to connect to either a FDR or CVR and download the recorded data. Once the data is downloaded, DART will act as a secure data transfer tool, sending the data via several secure methods which include: Wi-Fi, Ethernet, and Cellular.

DART is a custom tool, specifically designed to interface with FDRs and CVRs while they are installed in the aircraft. It will download the data and automatically send the data wirelessly to a secure portal. DART also gives the user the ability to monitor the data from the recorder for aircraft side troubleshooting. Supports most recorders in the industry. As additional recorders are added, the capability is remotely pushed to the DARTs in the field and a simple cable is shipped to the customer. This allows your maintenance team to continue to use DART during this process. A common interface for all of the recorders allows for minimal training. The screen layouts are intuitive and efficient.

- Large 7 inch screen
- Secure and safe platform with a web-based AWS, secure log-in, and instant access
- Remote, support data for data download assistance
- Live data monitoring and troubleshooting for issues that arise
- Remote upgrading of device with new, enhanced features as they're released
- Quarterly updates are pushed to all active DART devices

Weight:	6 lb
Dimensions:	12 x 9 x 4 in

EDMO#	MFR#	DESCRIPTION
KGB750-001	KGB750-001	Data Acquisition Ruggedized Tool (DART)
SOFTWARE OPTIONS		
KGB-100CS	KGB750-100CS	For L3Harris FA2100/FA2300 CVR
KGB-100FS	KGB750-100FS	For L3Harris FA2100/FA2300 FDR
KGB-101S	KGB750-101S	For L3Harris F1000
KGB-102S	KGB750-102S	For Honeywell 980-4700/4120
KGB-103S	KGB750-103S	For Honeywell 980-4710
KGB-104S	KGB750-104S	For Universal Avionics 1605/1606/1607
KGB-105HS	KGB750-105HS	For Honeywell SRVIVR 980-6044/4131/6050
KGB-105LS	KGB750-105LS	For L3Harris SRVIVR 1493100-X00X
KGB-106S	KGB750-106S	For L3Harris FA5000
KGB-108S	KGB750-108S	For Honeywell HFR5-D/C 980-4750/6032
KGB-109S	KGB750-109S	For Honeywell 980-6020/6022
KGB-110S	KGB750-110S	For Penny & Giles MPFR D51615
KGB-113S	KGB750-113S	For Curtiss-Wright Fortress D51701
KGB-114S	KGB750-114S	For Curtiss-Wright Fortress Camera
KGB-115S	KGB750-115S	For Honeywell 980-6023
KGB-122S	KGB750-122S	For Honeywell 980-6025
INTERFACE CABLES		
KGB750-100	KGB750-100	For L3Harris FA2100/FA2300 FDR
KGB750-101	KGB750-101	For L3Harris F1000

EDMO#	MFR#	DESCRIPTION
KGB750-102	KGB750-102	For Honeywell 980-4700/4120
KGB750-103	KGB750-103	For Honeywell 980-4710
KGB750-104	KGB750-104	For Universal Avionics 1605/1606/1607
KGB-105H	KGB750-105H	For Honeywell SRVIVR 980-6044/4131/6050
KGB-105L	KGB750-105L	For L3Harris SRVIVR 1493100-X00X
KGB750-106	KGB750-106	For L3Harris FA5000
KGB750-108	KGB750-108	For Honeywell HFR5-D/C 980-4750/6032
KGB750-109	KGB750-109	For Honeywell 980-6020/6022
KGB750-110	KGB750-110	For Penny & Giles MPFR D51615
KGB750-113	KGB750-113	For Curtiss-Wright Fortress D51701
KGB750-114	KGB750-114	For Curtiss-Wright Fortress Camera
KGB750-115	KGB750-115	For Honeywell 980-6023
KGB750-122	KGB750-122	For Honeywell 980-6025
ACCESSORIES:		
KGB750-002	KGB750-002	Annual Maintenance Fee
KGB750-006	KGB750-006	Hardened Carrying Case

BENCH TEST SETS

IFF-45TS MK XIIA/TACAN BENCH TEST SET

VIAVI SOLUTIONS



The IFF-45TS Transponder/Interrogator/TACAN Bench Test Set is an RF signal simulator that provides support for AIMS Mark XIIA transponders and interrogators. It operates under remote control from a computer or ATE system and provides versatile signal generation and measurement capability of Mark XIIA system signals in bench and over-the-air applications.

- MK XIIA AIMS certified for Level 1 and Level 2
- Accommodates DOD AIMS 04-900A Option A (KIV-78) and Option B (KIV-77)
- Dual I/O for diversity testing of transponders or SUM/DIFFERENCE on interrogators
- Software-defined radio design allows waveform flexibility and future growth potential
- Dual signal generator design allows coordinated signal production for interference and echo testing
- Remote interfaces consist of RS-232, Ethernet, and GPIB
- Aeroflex GUI allows easy access to test features
- Industry-wide use in development and end-item testing of transponders and interrogators
- ADS-B Out (DO-260B) test capability
- Support for engineering development of Mark XIIA equipment (Mode 5)
- Support for AIMS 03-1000 and DO-181 certification testing Over-the-air testing of Mark XIIA equipment
- Test range to 3 km with appropriate antennas
- Ramp testing of installed equipment performance

Weight:	24 lb
Dimensions:	4 x 17.75 x 21 in
Temperature Range:	-10°C to 55°C
Certification:	UL CE DoD AIMS MK XIIA Level 1 and Level 2

EDMO#	MFR#	DESCRIPTION
IFF45TS110	72438	IFF XPNDR modes/110V/ITAR
OPTIONS		
45TSOPT1	83404	IFF XPNDR Mode 5 OPT IFF45TS
45TSOPT2	83405	IFF Interrogator Modes Option
45TSOPT3	83406	IFF Interrogator Mode 5 Option
45TSOPT4	83407	DME/TACAN Option
45TSOPT5	91684	ADS-B Out Option
45TSOPT6	88631	KIV 77 Adapter
45TSOPT9	86075	KIV 78 Adapter
45TSOPT10	140608	ADS-B Integrity Test Option (Includes Hardware)
ACCESSORIES		
89898	89898	IFF45TS AMS Version 9.6 Update (CD)
138512	138512	Transit Case
138553	138553	Kit Laptop with IFF45TS Mode 4 GUI/ITAR

ATC-5000NG TRANSPONDER TEST SET

VIAVI SOLUTIONS



The ATC-5000NG is an RF signal generator/receiver for testing modes A/C/S transponders. Designed with modern software-defined radio technology, the ATC-5000NG replaces the commercial functionality of the SDX-2000, ATC1400A, and S-1403DL. This test set is designed for engineering development, design validation, manufacturing, and return-to-service testing.

- Generates ATCRBS/Mode S interrogations
- 10.4-inch touchscreen LCD display for control of all test set capabilities
- Remote-controlled via GPIB or Ethernet
- Optional command set emulation for SDX-2000, ATC-1400A, and S-1403DL
- Software-driven design allows for field updates for adding new features, capabilities, or modifications due to industry changes
- ADS-B squitter encode/decode
- DO-260, DO-260A, and DO-260B data parsing
- Two independent transmitters and receivers
- TX/RX data logging capability
- Full diversity testing capability
- Data parsing in engineering units
- Pulse and frequency measurement
- UAT TX/RX capability (optional)

Weight:	41 lb
Dimensions:	10.5 x 19 x 24 in
Transmitter Frequency:	Range: 952 MHz to 1,223 MHz Resolution: 10 KHz Accuracy: 2.5 ppm Phase Noise: >80 dBC/Hz @ 100 KHz
Inputs/Outputs:	Suppression Bus (Front/Back), 2 Scope BNC Outputs (Front/Back), LAN (Front/Back), USB Type B Control (Front), 2 USB Type A (Front) for HID/Flash Drives
Number of Channels:	Transmitter: 4 (XPDR/UAT) & 6 (ADS-B Options) Receiver: 2, Top/Bottom
Receiver Dynamic Range:	1,090 MHz: >40 dB UAT: >30 dB
Receiver VSWR:	<1.4
Relative Humidity:	0% to 95% Non-condensing
Temperature Range:	Operating: 0˚C to +40˚C Storage: 0˚C to +71˚C
Certification:	CE (Pending): UL/EN 61010-1, EN 61326-1

*continued on next page

EDMO#	MFR#	DESCRIPTION
ATC-5000NG	138156	ATC-5000NG transponder test set
OPTIONS		
ATCNGOPT01	139311	DME Option
ATCNGOPT02	138157	UAT 978 MHz Option
ATCNGOPT03	138159	Multi-receiver Option
ATCNGOPT04	138158	SDX Command Set Compatibility Option
ATCNGOPT05	138223	1400/1403 Command Set Compatibility Option
ATCNGOPT06	139310	DO-260B Mops Test Option. Requires ATCNGOPT03
ACCESSORIES		
142175	142175	Transit Case

ATB-7300NG AVIONICS NAV BENCH TEST SET

VIAVI SOLUTIONS
EDMO# ATB-7300NG
MFR# 142759



The ATB-7300NG Navigation Test Set is based on the new VIAVI AXIe Avionics Test Bench (ATB) platform. The ATB platform is a powerful, leading-edge design tailored for end users from OEMs to repair shops and can be used for all stages of the avionics lifecycle: product development, design verification & validation, certification, manufacturing, return-to-service, and service/calibration.

- Ethernet remote control interface
- VHF Generator, ILS/LOC Generator, ILS Glide Slope Generator, VOR Generator, ADF Generator, Market/Beacon Generator
- Basic Graphical User Interface (GUI)

Weight:	10.5 kg (23.1 lbs)
Dimensions:	32 x 88 x 435 mm
Rack Units:	2U x 19 in
Acoustic emissions:	78 LWA dB (max) 63 LWA dB (typical)
Altitude:	4,600 m
Humidity:	95% to 40°C
Functional Shock:	30 G
Temperature Range:	Operating: 0°C to 50° C Storage: -40°C to -71°C

ELECTRONIC BATTERY ANALYZER

SHOCKBOX
EDMO#: SB24-00EBA
MFR#: SB24-00-EBA



The electronic battery analyzer (EBA) is designed to perform and monitor capacitance tests on the PS-835, PS-850, and PC-855 power supply units, and freeing technicians to perform other maintenance tasks. The EBA comes with two wire harnesses; one is an adapter cable which plugs into a PS series test set, and the other is a universal harness to for expanding capabilities. This electronic battery analyzer connects over USB to any Windows XP or greater computer. The software displays a graph while a test is in progress and sounds an alert when finished. Once the test is finished, technicians can print a PASS/FAIL report.

- Monitors capacitance tests and freeing technicians for other tasks
- Performs capacitance test on smaller standby power supplies/battery packs
- Capable of supplying a 100-watt load for discharge tests

BFG CAPACITANCE TEST BOX

SHOCKBOX
EDMO#: SB24-03835
MFR#: SB24-03-835



The BFG capacitance test box has been design to be an affordable and simple-to-use test box for performing capacitance tests on Jet/BFGoodrich/L3 Communications PS-835, PS-850 and PS-855 standby power supplies. This unit features jacks on its front panel allowing technicians to make easier connections to bench top DC power supplies, also the mating connector will plug directly into these power supplies, which it was built for. Simply plug in the BFG, select the "TEST" position, start a stopwatch, and then watch the voltage.

COMPLETE ELECTRONIC BATTERY ANALYZER & CHARGING SYSTEM (EBACS)

SHOCKBOX
EDMO#: SB24CEBACS
MFR#: SB24-00-CEBACS



The complete electronic battery analyzer/charging system (CEBACS) uses the same analyzer and software as the EBA built in with a dedicated PC and charger. This allows for charging a battery while testing and monitoring another. Specifically designed to measure the capacitance of smaller standby power supplies and battery packs, the CEBACS is capable of supporting up to a 100-watt load for preforming resistance tests. Testing can be performed on systems up to 4.1-amps (for 24-volt units) and up to 8.2 amps (for 12-volt units) in one hour. Its software provides testing at higher C-ratings and calculates the proper capacitance.

- The Complete EBACS includes: 3-prong AC power cord, universal test leads for charging and discharging, custom adapter for testing/charging PS-835, 850 & 855 power supplies, USB flash drive for transferring of data, USB keyboard/mouse combo, strap for securing during testing, attached pouch for storage of leads

LANDING GEAR BREAKOUT BOX

SHOCKBOX
EDMO#: SB32-LGBOB
MFR#: SB32-00-LGBOB



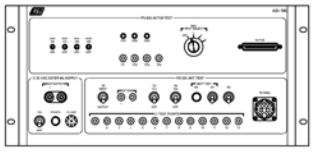
The landing gear breakout box has been designed as a universal landing gear test box which supports a variety of aircraft models — simply connect an aircraft specific harness, and you have a powerful troubleshooting and rigging tool for your shop. Each unit includes harnesses for a single aircraft. Harnesses for other aircraft can be purchased.

- Engage and disengage squat switches, landing gear up-locks, and landing gear down-locks
- Perform maintenance and testing of the anti-skid system and thrust reversers while the aircraft is on jacks

ASI-196 SERIES POWER SUPPLY TEST PANEL

AVIONICS SPECIALIST INC

The ASI-196 power supply test panel facilitates testing and charging of the Goodrich/L3/Jet emergency power supplies. This unit provides "by the book" testing and charging procedures, and it comes included with a test interconnect cable.



ASI-196

Dimensions:	8.75 x 19 x 9.5 in
Power:	0-40 VDC

EDMO#	MFR#	DESCRIPTION
ASI-196	ASI-196	PS-835 Power Supply Test Panel
ASI-196-1	ASI-196-1	PS-850 & PS-855 Power Supply Test Panel

ASI-223 ZIFOR III VOR RADIAL STANDARD

AVIONICS SPECIALIST INC
EDMO#: ASI-223
MFR#: ASI-223


ASI-196

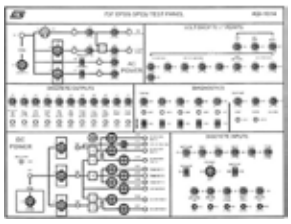
The ASI-223 ZIFOR (Zero Indicator For OmniRange) III is intended to be a VOR radial standard providing the measurement capability and traceability link between the reference standard and operational test equipment. The ASI-223 may be used to check the audio output of any VOR audio generators, such as the Collins 479S-5/6( ) or the Bendix RVG-33.

- Demodulates and extracts bearing information from a VOR audio generator
- Zero radial information to an accuracy of +/- 0.01°
- Displays input signal status and automatic self-test information
- Precise phase meter
- 30 Hz variable signal is also monitored

Dimensions:	12 x 16.5 x 5.5 in
Power:	115/230VAC, 50-60Hz

ASI-1014 737 EPDS SPCU TEST SET

AVIONICS SPECIALIST INC


ASI-1014

The ASI-1014 SPCU Test Set works in conjunction with the ASI-1014-1 Load Bank and other standard shop equipment to test the standby Power Control Unit. It provides power input, interconnect, monitoring, and discretes required during testing. Interconnection to the SPCU under test is accomplished with the attached 6 ft pendant cables. Loading is provided by the ASI-1014-1 Load Bank and must be purchased with the ASI-1014.

Dimensions:	13 x 17 x 3 in
Power:	28 VDC/115 VAC @ 400 Hz

EDMO#	MFR#	DESCRIPTION
ASI-1014	ASI-1014	737 EPDS SPCU Test Set
ASI-1014-1	ASI-1014-1	126Ω Load Bank

ASI-2000 & ASI-200-5 TEST SYSTEM PLUG-INS

AVIONICS SPECIALIST INC


ASI-2000

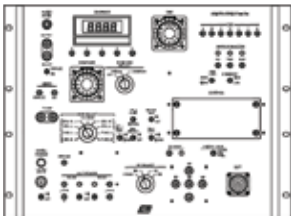
The ASI Test System is a computer-aided, modular system capable of testing a large variety of avionics equipment. Equipment tested includes the Collins Pro Line series, King Gold Crown series, and ARINC standard avionics units. The heart of the ASI Test System is the ASI-2000 Mainframe, which provides power, test points, and a computer interface. The ASI-2000 will interface with an Apple Ie or a PC (AT compatible or above) computer.

Dimensions:	7 x 19 x 13 in
Power:	28VDC/26VAC, 400Hz

EDMO#	MFR#	DESCRIPTION
ASI-2000	ASI-2000	ASI Test System
ASI-200-5	ASI-200-5	Plug-in DME-42
ASI-200-13	ASI-200-13	Plug-in DME-442
ACCESSORIES		
ASI-61W	ASI-61W	ASI-61W ADF Antenna Simulator

ASI-376 SERIES TEST PANEL/VOR/ILS

AVIONICS SPECIALIST INC



The ASI-376-1 ADF Test Panel provides testing and fault isolation of the Collins AN/ARN-144, AN/ARN-149(V), and VIR-130A/C VOR/ILS Receivers. The Test Panel acts as an interface and contains the ability to provide stimuli and measure data required when testing the VOR/ILS system. A user-supplied control (313N-6C or equivalent) is required for complete testing of the receiver. Testing of 1553B-equipped VOR/ILS receivers requires the optional 1553B bus adapter (ASI-37-6D) or the ASI-376-2 VOR/ILS test panel.

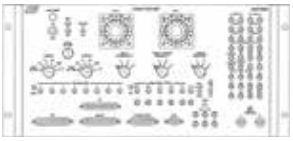
- The ASI-376-1 includes the I/O Cable (ASI-37-6A), 4 RF Cables (ASI-37-6B1/2/3/4), and a Control Cable (ASI-37-6C).
- The ASI-376-2 includes the I/O Cable (ASI-37-6A), 4 RF Cables (ASI-37-6B1/2/3/4), the Control Cable (ASI-37-6C), and the 1553B Bus Adapter (ASI-37-6D).

Weight:	24 lb
Dimensions:	14 x 19 x 16.5 in
Power:	115VAC, 400 Hz

EDMO#	MFR#	DESCRIPTION
ASI-376-1	ASI-376-1	Test Panel/VOR/ILS
ASI-376-2	ASI-376-2	Test Panel/VOR/ILS

RTA-84X/85X RECEIVER/TRANSMITTER/ ANTENNA TEST PANEL

AVIONICS SPECIALIST INC



ASI-CTS841

The ASI-CTS841 Test Panel works in conjunction with the 850W Frequency Plan Adapter, WXI-711A Indicator, WXP-850A Control, RDX-7708/-7708R, and other standard radar test equipment to bench test the Rockwell Collins RTA-800/-84X/-85X receiver/transmitter/antenna units of the TWR-850, WXR-800, and WCR-840 Weather Radar Systems. The ASI-CTS-841 provides interconnection, power, switching, loading, and a pitch and roll source required during testing. The test panel also includes the 15 test cables and the radar absorption barrel required during testing of the radar system.

MFR#	DESCRIPTION
ASI-84-1A:	DSP Cable
ASI-84-1B:	Power Supply Cable
ASI-84-1C:	RF Cable
ASI-84-1D:	RF Base Cable
ASI-84-1E:	Indicator Cable
ASI-84-1F:	Terminator Cable
ASI-84-1G:	Modular Cable
ASI-84-1H:	Digital Attitude Source Cable
ASI-84-1J:	WXP-850 Cable
ASI-84-1K:	Impatt Cable
ASI-84-1L:	RF Cable
ASI-84-1M:	TRF Base Cable
ASI-84-1N:	RF Cable
ASI-84-1P:	RF Base Cable
ASI-84-1Q:	Power Supply Cable
ASI-CTS-840:	RTA-84X/85X Radar Absorption Barrel

EDMO#	MFR#	DESCRIPTION
ASI-CTS841	ASI-CTS-841	RTA-84X/85X Receiver/Transmitter/Antenna Test Panel
ACCESSORIES		
ASI-378-9	ASI-378-9	Frequency Plan Adapter

332D-11 GYRO TEST SET

AVIONICS SPECIALIST INC



ASI-168

The ASI-168 Gyro Test Panel provides the functions required to test, align, and repair the Collins 332D-11() series of gyros. The test panel includes two angle position indicators to simultaneously monitor pitch and roll outputs. The uut interconnect cable (ASI-16-8A) is included with the test panel. The optional ASI-168-1 Noise Test Panel is designed to test the noise level on the pitch and roll outputs of the UUT. The ASI-168-1 also has the sample and hold test circuit incorporated into the test panel.

- Equipment supplied: ASI-16-8A, ASI-168 to 332D-11 Cable

Dimensions:	10.5 x 19 x 13 in
Power:	115VAC, 400 Hz

EDMO#	MFR#	DESCRIPTION
ASI-168	ASI-168	332D-11 Gyro Test Set
ACCESSORIES		
ASI-168-1	ASI-168-1	Noise Test Fixture
ASI-168WAR	ASI-168-3YRWARR	ASI-168 3 Year Warranty

1790 SERIES TACHOMETER TESTER

IDEAL AEROSMITH INC.



The Model 1790 Tachometer Tester is used for testing and calibration of electrical and mechanical tachometer generators and indicators. A high-quality DC motor is coupled directly to a 1/4-inch square hole drive (AN Pad). This tachometer tester output can be converted to a wide variety of adapters and different tachometer interfaces. The motor drive control circuit uses SCR components and an open-loop system for an economical solution to speed adjustment. The control panel consists of a five-digit LED display, momentary switches for start and stop, a direction switch, a display select switch, and a ten-turn potentiometer for speed adjustment.

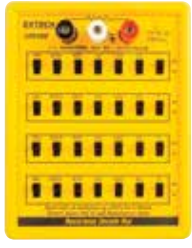
- ±1 RPM Accuracy of Digital Display

Weight:	36 lb
Dimensions:	12.7 x 12 x 8.1 in
Shaft Speed Range:	Infinitely variable within 250–5,000 RPM bi-directional
Indicator Speed Range:	250–5,000 RPM (1x setting), 500–10,000 RPM (2x setting)
Maximum Torque:	60 oz-in.

EDMO#	MFR#	DESCRIPTION
1790	230020-6	Model 1790 Tachometer Tester | 115 VAC, RPM Readout
1790-230	230020-7	Model 1790 Tachometer Tester | 230 VAC, RPM Readout

380400 RESISTANCE DECADE BOX

EXTECH
EDMO# 380400
MFR# 380400



The Extech 380400 Resistance Decade Box is for product design testing and calibration. It can be substituted into a circuit and function in the place of any component with a standard value easily. Alternatively, it can be used to identify the best value for circuit operation and then read that value from the switches. Then, a resistor of the size indicated by the decade box switches can be put into the circuit. Case may be grounded separately

- Seven decade ranges of resistance

Weight:	Approx. 0.69 lbs. (312g)
Dimensions:	5.79 x 4.61 x 1.3 in (14.7 x 11.7 x 3.3cm)
Resistance Ranges:	1 to 11,111,110Ω in 1Ω Steps
Internal Resistance:	0.3Ω
Power:	0.3W Resistors
Accuracy:	1%
Humidity:	< 80%RH
Temperature Range:	32 to 122°F (0 to 50°C)
Connection:	Three (3) Binding Posts

SCORSBY MOTION TEST TABLE

IDEAL AEROSMITH INC.
EDMO# 230010-12
MFR# 230010-12



The Model 1421 Scorsby Motion Test Table (230010-12) simulates the roll, pitch, and yaw motions of an aircraft during flight. It is primarily used for production, qualification testing, and exercising of gyroscopic aircraft instruments and is a standard in the aircraft industry. The Scorsby table can be operated from the front panel controls or through the remote communications interface. The front panel controls consist of a power switch, an LCD display, and four keys: run/menu, increase, decrease, and enter. Full computer automation is accomplished via the RS-232 interface or an optional IEEE-488 interface. A closed-loop motion control system consists of an optical encoder located on the high-speed shaft of the gear motor, providing high-resolution feedback for smooth Scorsby motion with a constant frequency.

- Adjustable tilting head with engraved markings and ball bearing design, and positive stop allows for quickly setting the tilt head
- Reversible oscillation with an electronic cycle counter provides versatile testing from 1 to 99 cycles
- Integral bubble level and baseplate screws allow for quick leveling
- Anodized aluminum construction for durable corrosion resistance
- Precision-ground tabletop mounting surface

Weight:	70 lb
Dimensions:	14.5 x 16.5 x 12 in
Control Modes:	Off, left, right, oscillate
Tilt Angle Range:	0° to 30°, infinitely adjustable
Tilt Angle Markings:	0°, 1½°, 5°, 7½°, 10°, 15°, 20°, 25°, and 30°
Cycles in Oscillation Mode:	1 to 99
Remote Interface:	RS-232, standard IEEE-488, optional
Automatic Honing:	Yes
Position/Speed Display:	Yes
Acceleration:	Variable

1291BL SINGLE-AXIS POSITION & RATE TABLE SYSTEM

IDEAL AEROSMITH INC.



The Model 1291BL single-axis position and rate table system is designed to provide precise position, rate, and accretion motion for development or production testing of commercial or military inertial sensors. The 1291BL is specially designed for testing smaller inertial sensors and systems.

The accuracy and reliability of the 1291BL test table is achieved with a servo-controlled system that consists of a direct drive brushless torque motor, a precision absolute optical encoder, and an internal microprocessor-based motion control card. A standard RS-232 interface provides remote control from a PC computer for position, rate, and acceleration profiles.

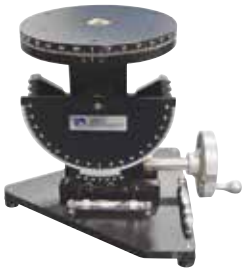
- Tests in a Vertical or Horizontal Axis Configuration
- Precision-ground anodized aluminum tabletop
- Trapezoidal motion profiles with programmable velocity and acceleration
- Sinusoidal motion with programmable frequency and amplitude
- Configurable and scalable analog input/output
- RS-232 Remote Interface, LabVIEW Interface
- Electric fail-safe brake (brake release switch located on the table)
- Axis Active LED

Weight:	50 lb (23 kg) Vertical axis configuration: 125 lb (56 kg) centered Horizontal axis configuration: 50 lb (33 kg) centered
Dimensions:	19 x 18.7 x 7 in (483 x 472 x 178 mm)
Slip Ring Lines (-SR64 upgrade):	64 lines (26 twisted shielded pair at 3A per line, 2 singles at 3A per line, 10 singles at 5A per line)
Electrical Connections:	Tabletop: (2) 37 pin Female D-sub Connectors Base: (2) 37 pin Male D-sub Connectors
Power Requirements:	IEC 60320 Power Entry Connection 115/230VAC ± 10%, 1Ø, 50/60 Hz, 5A(FLA), 10A BREAKER, 5kA SCCR (230VAC req. for speeds over 2000 deg/sec)
Relative Humidity:	20% to 85%, Non-condensing
Operating Temperature:	50°F to 98°F (10°C to 35°C)

EDMO#	MFR#	DESCRIPTION
1291BL	231150-10	10-inch Tabletop
231150-23	231150-23	24-inch Tabletop | SR64 Option | Includes controller
231150-905	231150-905	1291BL Controller Unit

1300 SERIES MANUAL TILT & TURN TABLE

IDEAL AEROSMITH INC.



1310-1-L

The table consists of two axes of motion, one for tilting and the other for rotating the table. It can be tilted in either direction from 0° to 90° (1310-1-L 0° to 80°). The tilt axis has detents every 15° for quick positioning, and there are engraved marks at 0.5° increments on the tilt axis. The tabletop rotates continuously through 360° in a clockwise or counterclockwise direction. Engraved marks are provided at 45° increments on the tabletop. A spring-loaded steel ball engages detents in the bottom of the tabletop, locking it into position for quick setup. The detents are located every 45°. The tension is adjustable for the positioning detents on both the tabletop and the tilt axis. A level platform is achieved by adjusting the leveling screws, which are mounted through the base plate. The leveling feet can compensate for as much as 5° of tilt. The top surface of the table has six tapped holes for attaching the instrument package to be tested. Simply center the instrument package on the tabletop and secure it.

- Small and lightweight for easy bench mounting and manual operation
- Two degrees of freedom for tilting and rotating test instruments
- Spring-loaded detents provide accurate tabletop rotary and tilt axis indexing
- Flat, precision-ground tabletop mounting surface
- Anodized aluminum construction for durable corrosion resistance

MODEL 1310-1-L

- Engraved increment on azimuth axis
- Two one-minute sensitive levels on the table base for a more accurately leveled table surface
- Rotating the handle in the desired direction will change the tilt six degrees per revolution

EDMO#	MFR#	DESCRIPTION
1300	1300	Two Axis Manual Tilt Table
1310-1-L	1310-1-L	Two Axis Manual Tilt Table with Handle

DATABUS ANALYZERS

DT600 ARINC 429-629 DATABUS ANALYZER

ATG
EDMO# DT-600
MFR# 01-1405-02



The DT600 is a combination ARINC 429/629 databus analyzer with dual, independent ports for each bus standard. Nearly identical functions are provided for each bus type. These include basic receive and transmit functions along with a general record mode and a powerful breakpoint mode. The standard RS232 port is used for downloading real-time or recorded data and for uploading new label/word definitions. The standard DAC port can be used to provide a trigger pulse or to drive recorders or instruments. An optional GPIB port permits remote control of all functions. PC software is available to aid the user in defining customized data definition table(s). The large graphical display and integrated keyboard provide an informative and intuitive user interface.

- Two ARINC TX/RX ports and two ARINC 629 transceiver ports
- Operates six to eight hours on the internal battery or power from external 28 VDC or 105-250 VAC
- Multi-window display of data in engineering (B777 default for 629), hex, binary, user-defined, and graphical formats
- Powerful record and fault analyzer modes
- Williamsburg Protocol software extension available for ARINC 429 file transfer functions
- RS232C and DAC interface ports are standard; GPIB is optional
- Software available for RS232 port (download/upload and word definitions)

Weight:	24 lb (10.9 kg)
Dimensions:	5.7 x 14.25 x 12 in (14.5 x 36.2 x 30.5 cm)

EDMO#	MFR#	DESCRIPTION
DT-600	01-1405-02	DT-600 Databus Analyzer | Single Channel
ACCESSORIES		
55-1404-00	55-1404-00	RS-232 Cable
60-0628-00	60-0628-00	RS Read CD

DT400H HANDHELD ARINC 429 DATABUS ANALYZER

ATG



The DT400H (DT-400H-01) is a lightweight handheld ARINC 429 databus analyzer that provides the same features as the full-sized DT400. This device provides breakpoint troubleshooting mode, a 16-label recorder, a 128-label transmitter, an RS-232C port, D/A conversion, and a Williamsburg protocol analyzer. The LCD backlit display is sunlight readable and can operate for over six hours on battery power.

- 16-line, backlit display
- Record up to 240 screens for later download to PC/printer
- Fully compatible with all other DATATRAC test equipment

Weight:	3.5 lb
Dimensions:	6.3 x 9.75 x 2 in
Bus frequency:	12–14.5 kHz or 100 kHz (Selectable)
Power Requirements:	110 or 220 VAC, 50-400 Hz AC Adapter Internal NiCad battery

EDMO#	MFR#	DESCRIPTION
DT-400H-01	01-1404-01	429 Databus Analyzer | Williamsburg Protocol
ACCESSORIES		
15-0009-10	SA-121A6IV-2W/USN-205D-IP-ROHS	Battery Charger
15-0009-11	SA-121A6IV-2W/EURO-205D	Battery Charger | 220V
43-0010-00	43-0010-00	NICAD Battery Pack
60-0628-00	60-0628-00	RS Read CD

DT200 DATATRAC CSDB DATABUS ANALYZER

ATG



The Datatrac 200 CSDB Databus Analyzer's advanced features support two avionic databus standards, ARINC 429 and CSDB (Commercial Standard Data Bus). The DT200 has extensive receive and transmit capabilities and can manage many data words, display subfields, and manipulate data using features such as freeze, scroll, and clear. The DT200 also provides dual operation in either ARINC 429 or CSBD modes, data display in hexadecimal, binary, or engineering units, and general-purpose recording mode for lab or flight tests.

- CSDB capability for Collins ProLine Avionics
- Manages multiple data words
- Clearly displays subfields
- Receives and displays data in hexadecimals, binary, or engineering units
- Transmits multiple words at selected rates
- Identifies failures with breakpoint trigger pulse and history features
- Converts digit data to DC
- General-purpose recording mode for lab or flight test
- Presents data transients as graphic time plots
- Operates anywhere for up to 6 hours on a rechargeable battery

Weight:	7.5 lb
Dimensions:	12.5 x 11.6 x 5 in.
Power Requirements:	7.0 Watts @ 110 VAC/60 Hz 8.4 Watts @ 28 VDC or Internal Battery

EDMO#	MFR#	DESCRIPTION
DT-200	DT200	ARINC 429 | CSDB Databus Analyzer
ACCESSORIES		
15-0009-21	15-0009-21	Battery charger | 220V

ARINC 429 ANALYZER WITH BOEING LABELS & PRINTER PORT

ATG


429EBP

The 429EBP databus analyzer allows avionic technicians and line-maintenance personnel to troubleshoot ARINC 429 labels. This unit can selectively trap labels in three different ways. The unit has non-volatile memory and user-selectable ARINC Air Transport Equipment Identifier codes. The transmitted and received data can be viewed in either hexadecimal or easy-to-understand engineering format. The 429EX is housed in a rugged, compact case with internal, rechargeable NiCad batteries. The unit comes with either a 110V or 230V plug-in battery charger. An optional carrying case is available for the convenience and protection of the unit. The 429EBP is equivalent to 429E, with the addition of unique label definitions for testing of Boeing aircraft avionics.

Weight:	3 lb
Dimensions:	7.25 x 4.5 x 2.5 in
Power Requirements:	110 VAC, 60 Hz, 500 mA, 230 VAC, 50 Hz, 300 mA Six (6) Internal AA Rechargeable NiCad Batteries

EDMO#	MFR#	DESCRIPTION
429EBP	01-1001-12	429 TX/RX Databus Analyzer | Boeing Labels/Printer Port
429EN	01-1001-60	ARINC 429 TX/RX Kinetics Case | 28 Volt DC
429EX	01-1001-05	ARINC 429 Databus Analyzer
ACCESSORIES		
15-0009-01	11288	Battery Charger | 110–250 Volt AC to 9VDC
15-0009-03	11290	Battery Charger | 110–250 Volt AC to 9VDC
33-1032-00	33-1032-00	3-conductor, 1/4-inch Phone Plugs for 429EX

T1200B ARINC CONTROL DISPLAY UNIT

ATG
EDMO#: T1200B
MFR#: 01-1200-B2



The T1200B ARINC 429 control display unit is designed for use with any system using an ARINC 429 databus. The T1200 is equipped with an external, touch-sensitive color liquid crystal display that provides a convenient user configuration menu that makes it easy to select data to be sent or received. This unit is compatible with all major makes of navigation/communication equipment due to its ARINC 429 compatibility. The T1200B also provides an advantage with on-board electrical systems with its ability to provide control and display functions such as operating or directional lights, electrical switching, and cockpit display panels.

- External 12-inch touchscreen display allows the main unit to be located away from operation
- PS/2-style mouse may be used with or without touch-screen
- Test formats that follow specific OEM avionics CMMs
- Up to 10 words transmitted on each channel
- Transmission and reception of all ARINC 429 words
- Ability to decode VOR, ILS, ADF, VHF, HF, DME, LRA, and ATC-associated words as well as all other BCD and BNR data words into easily recognizable engineering units
- Two low-speed and two high-speed ARINC 429 transmitter/receiver cards

Weight:	18 lb (Rack Mount) 7.5 lb (Display)
Dimensions:	7 x 19 x 16 in (Rack Mount) 12.2 x 12.3 x 5.7 (Display)
Power Requirements:	100–240 VAC, 50–60 Hz

AIR DATA & PITOT STATIC TEST SETS

7

DPS-1000 PITOT STATIC TEST SET/RVSM

BARFIELD



The DPS-1000 is a user-friendly, fully automated, and RVSM-compliant air data test set that performs pitot and static systems tests and inspections. It is equipped with a 7-inch, color LCD touchscreen that is sunlight readable and compatible with gloved fingers. On it, users can easily update the features and user interface. This device has a go-to-ground function, an auto leak test, custom profiles, programmable limit protections, and an altitude correction feature. The DPS-1000 is easy to transport with a tough set of wheels and an extendable handle on the case.

- High accuracy, RVSM compliant
- Altitude correction and compensation for leak testing
- Durable wheels and an extendable handle on the case

Weight:	33 lb
Dimensions:	14.8 x 22 x 9 in
Frequency Range:	2 MHz to 1 GHz
AC Power Requirements:	85–264 VAC, 50-60 Hz, Auto selection, 200 VA
Humidity:	0-95% (Non-condensing)
Temperature Range:	Operating: 0°C to 50°C Storage: -25°C to 70°C

EDMO#	MFR#	DESCRIPTION
DPS-1000	101-01175	Digital Pitot Static Test Set/RVSM
ACCESSORIES		
126-00001	126-00001	Wifi Antenna
115-00632	115-00632	Hose Kit | 25-foot Red and Blue Hoses with QD and #4 AN Fittings
194-00073	194-00073	Transit Case
B-QC4-B	B-QC4-B-4ANK2-ZN	Pitot Quick Disconnect Fitting for Hose End
B-QC4-B-	B-QC4-B-4ANK5-ZN	Static Quick Disconnect Fitting for Hose End

1811NG DIGITAL PITOT STATIC TEST SET

BARFIELD



The latest in the Imperium series, the fully automated 1811NG digital pitot static test set performs altimeter and static systems tests and inspections directly supporting general aviation, helicopters, UAVs, and non-RVSM regional and corporate aircraft. Critical components used in the 1811NG have a well-established history of proven flight line reliability & accuracy—including the case, pumps, valves, and pressure transducers. Features include wireless remote operation via tablet, a 7-inch color LCD touchscreen that is sunlight readable and compatible with gloved fingers, a go-to-ground function, an auto leak test, custom profiles, programmable limit protections, altitude correction, and altitude compensation for leak testing.

- High accuracy—non-RVSM compliant
- Versatility to update user interfaces & features
- Durable wheels and an extendable handle on the case

Weight:	33 lb
Dimensions:	14.8 x 22.2 x 9 in
AC Power Requirements:	85–264 VAC, 50–60 Hz, Auto selection, 200 VA
Humidity:	0-95% (Non-condensing)
Temperature Range:	Operating: 0°C to 50°C Storage: -25°C to 70°C

EDMO#	MFR#	DESCRIPTION
1811NG	101-01178	Digital Pitot Static Test Set
ACCESSORIES		
115-00633	115-00633	25 ft Red and Blue Hose Kit with #4 AN Fittings

1811D SERIES PITOT STATIC TEST SET

BARFIELD



1811D

The Barfield 1811D is an inexpensive, portable, self-contained field tester. It is ideal for leak testing aircraft pitot and static systems or on-board testing of altimeters and airspeed indicators. The tester uses two analog or digital instruments (altimeter and airspeed) to perform aircraft leak tests or instrument calibration checks. All legacy 1811 series testers are configured with hand pumps and external pressure ports for supplying the necessary pressure and vacuum needed for on-board testing.

- Ideal for flight line calibration checks and troubleshooting
- Performs precision pitot-static leak tests
- Correction cards for all analog instruments
- Fully portable and self-contained
- Digital instruments contain four indications: altitude, airspeed, vertical speed, and Mach

Weight:	18 lb
Dimensions:	18 x 12 x 11.3 in.
Includes:	Two 25-ft hoses, a pitot mast adapter, and a 2423F static port adapter kit

EDMO#	MFR#	CONFIGURATION
1811D-403	101-00164-403	60-420kts, 50k ft, Analog
1811D-405	101-00164-405	60-420kts, 35k ft, Analog
ACCESSORIES		
194-00038	194-00038	Pitot Static Tester Case
284-00001	284-00001	AN Pitot Static Tester Fitting | Pipe Thread To #4 AN
284-00003	284-00003	Brass Fitting #4 AN for Use on Barfield Pitot and Static Test Hoses
304-00106	304-00106	Vacuum Gauge | 0-30 in Hg, 1811D
304-00107	304-00107	Pressure Gauge | 0-30 PSI, 1811D
336-00004	336-00004	Airspeed Indicator | 420 Knots
641-00111	641-00111	Metering Valve

1811 SERIES PITOT STATIC TEST SET ACCESSORIES

EDMO#	MFR#	DESCRIPTION
115-00056	115-00056	25-foot Hose Kit with Pitot and Static System Test Hoses | Includes 115-00057 Basic Pitot Test Adapter
115-00057	115-00057	Basic Pitot Test Adapter with Surgical Tubing | #4 AN fitting
115-00218	115-00218	40-foot Hose Kit with Pitot and Static System Test Hoses | Includes 115-00057 Pitot Test Adapter
124-00003	124-00003	Dual Barometric Altimeter for Pitot Static Test
124-00005	124-00005	Altimeter for Pitot Static Tester | 35k
337-00004	337-00004	Vertical Speed Indicator | 6,000 FPM
469-00017	469-00017	Vacuum Pump
2423F	101-00100	Static Port Adapter Kit
B29SAE-42	B29SAE-42	1/8-inch I.D. AN4 Flared Brass Fitting for 2423F Static Port Adapter

1811GA SERIES PITOT STATIC TEST SET

BARFIELD



1811GA

The Barfield 1811GA testers are portable, self-contained units used for testing and calibrating aircraft pitot-static systems. The tester has three-instrument capability for analog (altimeter, vertical speed, and airspeed) units to perform aircraft leak tests or instrument calibrations. All 1811 series testers are configured with hand pumps and external pressure ports for supplying the necessary pressure and vacuum needed for on-board testing and calibration. Compact fiberglass case allows unit to fit in tight installations.

- Performs on-board instrument calibration check and precision pitot-static leak tests
- Correction cards for all analog instruments
- Fully portable, self-contained
- Vacuum & pressure hand pumps installed
- Digital instruments contain four indications: altitude, airspeed, vertical speed, and Mach

Weight:	24 lb
Dimensions:	9.76 x 15.4 x 14.9 in
Includes:	Two 25-ft hoses, a pitot mast adapter, a 2423F static port adapter kit and a pitot-static system CD-ROM



BARFIELD

WHERE INSPIRATION, MEETS INNOVATION

COMPLETE TESTERS

Available for Tablets and Phones

GET IN ON Google Play

Download on the App Store



TURBINE TEMPERATURE TEST SETS

TT1200A/TT1000A





PITOT STATIC TESTERS

DPS1000/1811NG

- Connects to the DPS1000 or 1811NG via available Wi-Fi technology.
- Once Wi-Fi connection is established, the user canremotely operate the DPS1000 or 1811NG.
- The data on the table App is identical to the one on DPS1000 or 1811NG.
- When connecting to the DPS1000 or 1811NG, the App will detect its firmware (HUIM & PCM) version.
- If the firmware version on the DPS1000 or the 1811NG is older than the one on the APP, it will automatically trigger an update to match the APP firmware version, which is usually the latest one.





FUEL QUANTITY TEST SETS

DFQ40K/DC400A





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AIRFRANCE INDUSTRIES KLM Engineering & Maintenance

EDMO#	MFR#	CONFIGURATION
1811GA-435	101-00185-435	60–420kts, 3k ft/min, 35k ft | Analog
1811GA-465	101-00185-465	60–420kts, 6k ft/min, 35k ft | Analog
1811GA-625	101-00185-625	20–250kts, 2k ft/min, 35k ft | Analog
1811GA-AOA	101-00185-AOA	20–650kts, 6k ft/min, 55k ft | Digital

1811HA SERIES PITOT STATIC TEST SET

BARFIELD



1811HA-463

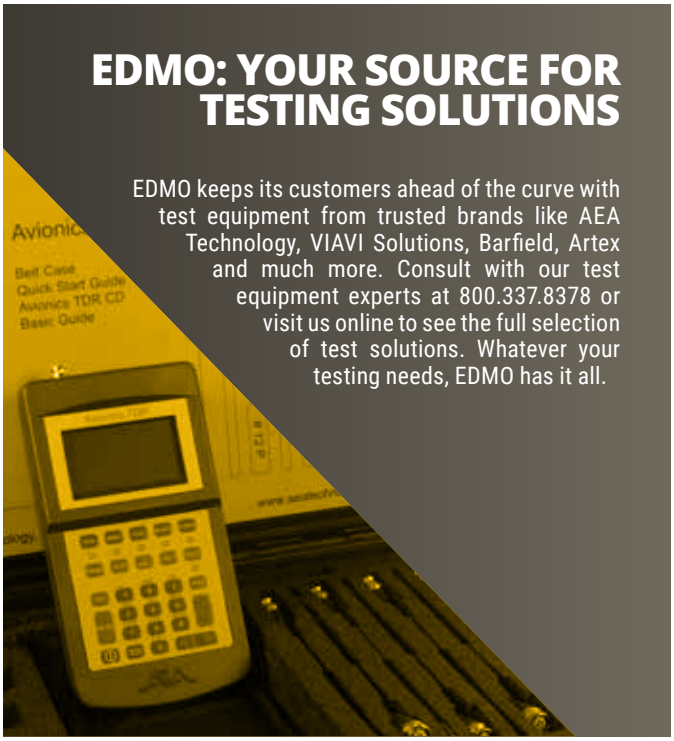
The Barfield 1811HA testers are portable, self-contained units used for testing and calibrating aircraft pitot-static systems. The tester has three-instrument capability for analog (altimeter, vertical speed, and airspeed) units to perform aircraft leak tests or instrument calibrations. All 1811 series testers are configured with hand pumps and external pressure ports for supplying the necessary pressure and vacuum needed for on-board testing and calibration. Compact fiberglass case allows unit to fit in tight installations.

- Performs on-board instrument calibration checks and precision pitot-static leak tests
- Correction cards for all analog instruments
- Operates from 115/230 VAC 50-400 Hz
- Vacuum and pressure hand pumps installed
- Digital instruments contain four indications: altitude, airspeed, vertical speed, and Mach

Weight:	30 lb
Dimensions:	9.76 x 15.4 x 14.9 in
Includes:	Two 25-ft hoses, a pitot mast adapter, a 2423F static port adapter kit and a pitot-static system CD-ROM

EDMO: YOUR SOURCE FOR TESTING SOLUTIONS

EDMO keeps its customers ahead of the curve with test equipment from trusted brands like AEA Technology, VIAVI Solutions, Barfield, Artex and much more. Consult with our test equipment experts at 800.337.8378 or visit us online to see the full selection of test solutions. Whatever your testing needs, EDMO has it all.



EDMO#	MFR#	CONFIGURATION
1811HA-425	101-00184-425	60–420kts, 2k ft/min, 35k ft | Analog
1811HA-445	101-00184-445	60–420kts, 4k ft/min, 35k ft | Analog
1811HA-463	101-00184-463	60–420kts, 6k ft/min, 50k ft | Analog
1811HA-465	101-00184-465	60–420kts, 6k ft/min, 35k ft | Analog
ACCESSORIES		
PBA150F-24	PBA150F-24-N	Power Supply

ADTS500 SERIES WIRELESS PITOT STATIC TESTERS

DRUCK



The ADTS500 Series, supplied with an ADTS Touch, is a family of portable, self-contained pitot static testers with a large pitot static volume capability for use on an extensive range of aircraft. With the option of a 2-channel, 3-channel, or 4-channel model, the ADTS500 Series is ideal for most light- to wide-body passenger and freight aircraft. Because business needs change, such as the addition of new aircraft to the fleet, the ADTS500 Series family can be retrospectively upgraded by Baker Hughes.

To ensure an accuracy that is suitable for RVSM (Reduced Vertical Separation Minimum) validation, the new ADTS500 Series incorporates advanced Druck TERPS (trench-etched resonant pressure sensor) technology. To satisfy the demand for a smooth rate of change into a high pitot static volume, these units use Druck's proportional control technology coupled with a large pump capacity.

- ADTS Touch hand terminal with Bluetooth® wireless technology (backup cable supplied)
- Swipe-action, touch screen user interface with color graphics and menu
- Multiple languages
- High-flow proportional pressure control technology
- Large-capacity pressure/vacuum pump
- TERPS high-accuracy pressure sensors inside
- Accuracy suitable for RVSM validation

Weight:	ADTS553F: 23.5 kg (52 lb) ADTS554F: 24.5 kg (54 lb)
Dimensions:	300 x 425 x 525 mm (11.8 x 16.7 x 20.7 in)
Power Supplies:	Auto-Selection Between: 110/230 VAC, 50/60 Hz & 115 VAC, 400 Hz
Display:	7 in WVGA (800X480) TFT, LED back lit display.
Self-test:	Integral test routines and reporting for both electrical andpneumatic systems
Temperature Range:	Operating: 0°C to 50°C (32°F to 122°F) Storage: -20°C to 70°C (-4°F to 158°F)
Environmental:	Vibration, shock/drop and solar radiation to MIL-PRF-28800F Class 2

EDMO#	MFR#	CONFIGURATION
ADTS-553F	ADTS553F-E0-SCAS-SR	3-Channel Air Data Test Set
ADTS-554F	ADTS554F-E0-SCAS-SR	4-Channel Air Data Test Set
ACCESSORIES		
AA500F-2	AA500-F2	Pressure Connector AN4 Male
AS405-32	AS405-32-1891MO	Replacement AC Power Lead
AATOUCH-5	AATOUCH-5	AC Desktop Battery Charger
AA500F-7	AA500F-7	ADTS Touch Remote Connecting Cable | 5 m

PITOT STATIC TEST ADAPTERS & AIR DATA ACCESSORY KITS

NAV-AIDS LTD

AIR DATA ACCESSORY KITS

Nav-Aids LTD air data accessories kits contain all the equipment required to test from source the complete pitot and static air data system on various aircraft, as well as the means of pre-testing all adapters and hoses prior to being fitted to the aircraft. Each adapter includes a "remove before flight" tag for safety and uses AN fittings for reliability. These air data accessories kit are also compatible with any air data test set.

PITOT STATIC TEST ADAPTERS

Pitot static test adapters fit to pitot probes and static vents around the aircraft. When installed, they allow testing of pitot and static systems separately or simultaneously. The protective caps included with the adapters also act as pre-test probes.

ALPHA PROBE ADAPTERS, PRETEST PROBES, AND OTHER ACCESSORIES

Nav-Aids also offers a wide range other adapters accessories including Alpha Probe Adapters, Pretest Probes, Hose Assemblies, Lubricating Fluid, and more.

Call to configure pitot static test adapters and air data accessories for your specific needs.

EDMO#	MFR#	DESCRIPTION
PITOT		
18821-3	18821-3	Pitot Test Adapter
P14789-4	P14789-4	Pitot Test Adapter
P15589M1-4	P15589M1-4	Pitot Test Adapter
P22942M1-4	P22942M1-4	Pitot Test Adapter
P29932-4	P29932-4	Pitot Test Adapter
P62261M-4	P62261M-4	Pitot Test Adapter
P73028-4	P73028-4	Pitot Test Adapter
P74418-4	P74418-4	Pitot Test Adapter
P75400M-4C	P75400M-4C	Pitot Test Adapter
P75499-3	P75499-3	Pitot Test Adapter
P75701-3	P75701-3	Pitot Test Adapter
P96255-3	P96255-3	Pitot Test Adapter
P96255-4	P96255-4	Pitot Test Adapter
STATIC		
21298-1504	21298-150-4	Static Test Adapter
33410-62-4	33410-62-4	Static Test Adapter
33455M-704	33455M-70-4	Static Test Adapter
SKA100-4-4	SKA100-4-4	Static Test Adapter
SKA-105	SKA-105	Suction cup for SKA Static Test Adapters
SS32092-4	SS32092-4	Static Test Adapter
S556326MM4	S556326MM-4	Static Test Adapter
PITOT STATIC		
PS49742M34	PS49742M-3-4	Pitot Static Test Adapter
22300-3-44	PSS22300-3-4-4	Pitot Static Test Adapter
26075-3-44	PSS26075M-3-4-4	Pitot Static Test Adapter
62148M3-44	PSS62148M-3-4-4	Pitot Static Test Adapter
72698-3-44	PSS72698-3-4-4	Pitot Static Test Adapter
73259-3-44	PSS73259-3-4-4	Pitot Static Test Adapter
73260-3-44	PSS73260-3-4-4	Pitot Static Test Adapter
76700-3-44	PSS76700-3-4-4	Pitot Static Test Adapter
76700M2	PSS76700M2-3-4-4	Pitot Static Test Adapter
88340-3-44	PSS88340-3-4-4	Pitot Static Test Adapter
PS56620M3	PS56620M3-4-4	Pitot Static Test Adapter
BLANKING		
33410FFAB	33410FFAB-125B	Static System Blanking Adapter



18821-3



P96255-3



33410-62-4



SKA100-4-4



22300-3-44



PS49742M34



PS56620M3-4-4



33410FFAB

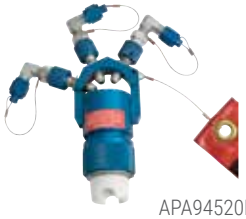
EDMO#	MFR#	DESCRIPTION
PRE-TEST		
PT14412	PT14412	Pitot Pretest Probe
PT11882	PT11882	Pitot Pretest Probe
QUICK DISCONNECT		
B-QC4-B2PM	B-QC4-B-2PM	Quick Disconnect
B-QC4-D2PF	B-QC4-D-2PF	Quick Connect stem
B-QC4-D4AN	B-QC4-D-4AN	Quick Disconnect
ALPHA PROBE		
APA94520MD	APA94520MD-4-4-4	Alpha Probe Adapter
APA17887	APA17887-4-6	System Purge Adapter, Alpha Probe Adapter
HOSE ASSEMBLIES		
340-7270	340-7270	Pitot Test Hose Assembly
53-5160-6-	53-5160-6-24	Hose Assembly/Non-Metallic
NAHA-4-44	NAHA-4-44	Hose Assembly
NAHA-6-6	NAHA-6-6	Hose Assembly
LUBRICATING FLUID		
LF5050	LF5050	Pitot Adapter Lubricating Fluid
AIR DATA ACCESSORIES KITS		
ADA109C612	ADA109C-612	For Agusta A109 Helicopters
ADA125-945	ADA125-945	For Hawker Siddeley HS-125 Aircraft
ADA320-845	ADA320-845	For Airbus A-318, A-319, A-320, and A-321 Aircraft
ADA350-5-	ADA350-5-612	For Airbus AS350/355 and AS550/555 Helicopters
ADA429-612	ADA429-612	For Bell 429 Helicopters
ADA60A-835	ADA60A-835	For Sikorsky UH-60 Helicopters
ADA737-678	ADA737-678	For Boeing 737 Aircraft
ADA757-612	ADA757-612	For Boeing 757 Aircraft
ADC604-945	ADC604-945	For Bombardier CL-604, CL-605, CL-700 Aircraft
ADGE95-612	ADGE95-612	For Bombardier Global and Global Express Aircraft
BD100-945	BD100-945	For Bombardier BD100, CL300, CL350, and CL3500 Aircraft
CITC-945	CITC-945	For Cessna Citation Aircraft
ERJ170/190	ERJ170/190-946	For Embraer ERJ170, ERJ190, Lineage 1000 Aircraft
HONDA-945	HONDA-945	For HondaJet Aircraft
LEG500-945	LEG500-945	For Embraer Legacy 450/500, Praetor 500/600 Aircraft
PHENOM300	PHENOM300-945	For Embraer Phenom 300 Aircraft



B-QC4-B2PM



B-QC4-D2PF



APA94520MD



HONDA-945

ADAPTER SEAL TOOL KIT

NAV-AIDS LTD
EDMO# 421-ASTK
MFR# 421-ASTK

Seal exchange tool kit contents: pouch, awl, screwdriver, extractor, packer, cotton swabs, golf tee (used for easy insertion of circlip into adapter groove), and manual.



EDMO#	MFR#	DESCRIPTION
COMPATIBLE SEAL & SPACER KITS		
SSK129	SSK129	Seal and Spacer Kit
SSK259	SSK259	Seal and Spacer Kit
SSK2596	SSK2596	Seal and Spacer Kit
SSK340	SSK340	Seal and Spacer Kit
SSK587	SSK587	Seal and Spacer Kit
SSK698	SSK698	Seal and Spacer Kit
SSK699	SSK699	Seal and Spacer Kit
SSK988	SSK988	Seal and Spacer Kit

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Looking for top-tier precision equipment for aircraft testing?
Nav-Aids delivers unmatched quality and reliability. From civil, corporate, and military aircraft to helicopters, UAVs, and even spacecraft, our RVSM and standard testing tools set the industry standard.
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FUEL QUANTITY TEST SETS

PSD60-2R AC FUEL QUANTITY TEST SET

VIAVI SOLUTIONS



PSD60-2R

The PSD60-2R Fuel Quantity Test Set is an accurate, stable unit designed to test AC capacitance-type fuel quantity measurement systems and their line-replaceable components. The PSD60-2R, along with aircraft-specific interface units or cables*, provides complete capability to test most aircraft with AC capacitance systems.

- Measures total tank capacitance, individual tank units, and compensators
- Simulates capacitance for indicator calibration
- Simulates compensator capacitance value for dry calibration
- Measures the insulation resistance of tank units and aircraft harness
- Measures coax center conductor to shield for fault isolation
- Display of capacitance resolution to 0.00 pF for accurate individual tank unit testing (to 199.99 pF)
- Compatible with AD 98-20-40 & AD 99-03-04 compliant aircraft (Mod 6 and above)
- Modular design for high reliability and low maintenance
- Closed box calibration using front panel controls—performed annually
- Battery powered with percent of charge displayed
- Maintenance codes displayed to aid in troubleshooting
- Distance-to-Fault (DTF) Mode determines the "length" of the wire or the approximate distance to a break in the wire or shield
- Large selection of aircraft-specific interface cables readily available

**Aircraft-specific cables are required and must be purchased separately.*

Weight:	12 lb
Dimensions:	14 x 6.5 x 10.6 in
Temperature Range:	-25°C to 55°C

EDMO#	MFR#	DESCRIPTION
PSD60-2R	693	AC Capacitance Universal Fuel Quantity Test Set
PSD60-1AF	699	AC Capacitance Fuel Quantity Test Set, Military Version
ACCESSORIES		
PSD40-5021	58304	Fuel Quantity Test Set Adapter Cable | Boeing B727, B737, B747
PSD40-5551	58301	Fuel Quantity Interface Cable | ATR 42/72, T-Cable Both Tanks at Left Indicator
PSD40-5552	58302	Fuel Quantity Interface Cable | ATR 42/72, T-Cable Both Tanks at Right Indicator
PSD40-556Y	58313	Fuel Quantity Interface Cable | ATR 42/72, FQIS Interface at Tank Wall
PSD60-503	57258	Fuel Quantity Interface Cable | Boeing 727, 737, & 747
PSD60-504	57261	Interface Cable at Wing Spar and Oil Quantity
PSD60-510/	57260	Fuel Quantity Test Set Interface | Boeing B757, B767
PSD60-587	57270	Tank Breakout Box | Boeing B727, B737
PSDAF-105	57299	Fuel Quantity Test Set Interface | C-130 Breakout Box
PSDAF-106	57297	Fuel Quantity T-cable | CH-47D
PSDAF-113	57294	Fuel Quantity Cable | AH64, UH60, S70
PSDAF-537	57296	Fuel Quantity Cable | UH1, B205, AH1
55-0605-15	57308	Hi-Z BNC to BNC General Purpose Cable Assembly
55-1021-07	58034	Cable Assembly | ATSD Wet CAL, Boeing, Cinch Harness
55-1021-08	58035	Cable Assembly | ATSD Wet Cal, Goodrich
55-7002-00	58345	Ground Strap Cable Assembly
57306	55-0605-13	Hi-Z BNC Two-Clip Cable Assembly
57307	57307	Lo-Z Polarized BNC to Alligator Clip Cable Assembly
57309	57309	General Purpose Cable Assembly

PSD90-1C61 UNIVERSAL AC/DC CAPACITANCE TEST SET

VIAVI SOLUTIONS



PSD90-1C61

The PSD90-1C61 Universal AC/DC capacitance tester checks out and calibrates AC or DC fuel gauging systems, both on or off of an aircraft. This test set can simulate capacitance values for the operation of indicators, and it also measures the insulation resistance of tank units and cabling. Virtually automatic operation—no manual nulling is required. Includes four modes: manual Megger/DC cap ranging, low voltage/low current mode, REV DC (DC+) mode, and distance-to-fault (DTF) mode.

- Rechargeable battery or externally powered
- Percent of battery capacity displayed
- Self-test on power-up
- Manual or Auto Ranging
- 2- and 3-Wire Megger
- Compliant with Boeing Spec 10-61959 Rev H
- MIL-STD-810 Method 511.4 certified
- Traceable to NIST
- Tests any AC or DC capacitive fuel, water, LOX/engine oil, or other

Weight:	13 lb
Dimensions:	10.6 x 14 x 6.5 in
Temperature Range:	Operating: -40°C to 55°C Storage: -51°C to 71°C

EDMO#	MFR#	DESCRIPTION
PSD90-1C60	877	AC/DC Fuel Capacitance Test Set | F-16, ITAR
PSD90-1C61	878	Universal AC/DC Fuel Capacitance Test Set
PSD90S-F16	88751	Fuel Quantity System Interface
ACCESSORIES		
50-1000-61	876	FQIS SE Kit | F-15A To J
PSD40-524A	38647	Reverse Polarized BNC to BNC Female Connector
PSDAF-105	57299	Fuel Quantity Test Set Interface | C-130 Breakout Box
PSDAFC130A	57978	Fuel Quantity Interface Cable | C-130B H Analog
PSDAFC130D	57979	Fuel Quantity Interface Cable | C-130B H Digital
PSDAFC130I	57980	Fuel Quantity Interface Cable | C-130, 1800G Tank at Indicator
PSDAFC130T	57981	Fuel Quantity Interface Cable | C-130, 1800G Tank at Wiring
PSDAFKC46A	112399	Fuel Quantity Interface Cable | Boeing KC-46A
PTS-1	853	PTS-1 Precision Transfer Standard

PSD90-3 FUEL QUANTITY TEST SET

VIAVI SOLUTIONS



PSD90-3AC

The PSD90-3 will test any AC or DC capacitive fuel, water, liquid oxygen (LOX), or engine oil system. When combined with an aircraft-specific interface, the PSD90-3 allows the user to test, troubleshoot, and isolate fuel system issues, calibrate fuel quantity indicators, and detect contaminated fuel probes. Developed for use in all environments, the PSD90-3 is ideal for flight line testing on battery power or bench testing on external power.

- Safe and Precise Measurement and Simulation
- Automatic Contaminated Fuel Probe Detection
- Manual Troubleshooting with the CHECK PROBE Function
- Distance-to-Fault (DTF) Measurement
- Measurement of Capacitance, DC Voltage, and Insulation Resistance
- Low Voltage/Low Current Mode allows isolation of intermittent or corroded connections
- Closed Box Calibration with Front Panel Controls
- Intrinsically Safe Design

Weight:	13 lbs (5.9 kg)
Dimensions:	10.6 x 14 x 6.5 in (26.9 x 35.6 x 16.5 cm)
Temperature Range:	Operating: -40°C to 55°C Storage: -51°C to 71°C
Relative Humidity:	5 to 95% (Non-condensing)
Altitude:	4600 m
Battery Type:	Rechargeable 12 V Lead Acid Gel Cell
Battery Operation:	12 hours (min)
Battery Charge Time:	8 hours (max)
EMC:	EN-61326
Safety:	UL-61010B-1, EN-61010-1, CSA 22.2 No 61010-111

EDMO#	MFR#	DESCRIPTION
PSD903ACDC	PSD90-3	PSD90-3 AC/DC Fuel Quantity Test Set
PSD90-3AC	PSD90-3AC	PSD90-3 AC Fuel Quantity Test Set

FUEL QUANTITY INTERFACE UNITS

VIAVI SOLUTIONS



PSD737-1

These fuel quantity interface units are used in conjunction with the PSD60-2R fuel quantity test set. The units provide complete capability for testing most aircraft with AC capacitance fuel systems.

- Measures capacitance of AC capacitance fuel probes
- Simulates capacitance values for calibration of indicators
- Simulates the capacitance of compensator to allow substitution of compensator or testing with dry tanks
- Performs cable-integrity tests with integrated Meg-Ohmmeter
- Intrinsically safe; tested and approved for use in any function with fuel in tanks

EDMO#	MFR#	DESCRIPTION
55-1000-90	57993	Fuel Quantity Interface Unit | Boeing KC-135
PSD60-P8A	91699	Fuel Quantity Interface Unit | Boeing P-8A
PSD737-1	57268	Fuel Quantity Interface Unit | Boeing 737 FQIS
PSD737-2	57269	Fuel Quantity Interface Unit With Densitometer | Boeing 737 FQIS
PSD747-2	767	Fuel Quantity Interface Unit | Boeing B747-400
PSD757-1	723	Fuel Quantity Interface Unit | Boeing B757-100, 200, 300, 300ER
PSD757/767	725	Fuel Quantity Test Set Interface Unit | Simmonds, Boeing B757 and B767
PSD767-1	724	Fuel Quantity Interface Unit | Boeing B767
PSD767-2	769	Fuel Quantity Interface Unit | Boeing B767-200, 300
PSD90-F15X	PSD90-F15X	Fuel Quantity Interface Unit | F15X
ADAPTERS FOR DIGITAL GAUGES		
PSD40-502	58303	Adapter for B727, B737, B747 | Includes Manual and CD
PSD40-5023	58306	Adapter for B737 | Wing Tanks
PSD40-524B	38648	Polarized BNC Adapter | Reverse BNC Female to BNC Female

DIGITAL DC FUEL QUANTITY TEST SET

BARFIELD



The compact and lightweight DC400A is a complete fuel quantity system test set for use on aircraft that have probes with integral diode rectification, commonly called "DC" fuel quantity systems. Completely self-contained and portable, the DC400A is lightweight and has an internal battery-powered DC fuel quantity system. The tester is specifically designed, when used with the proper adapter module, to meet the requirements for testing and calibration of a wide range of aircraft DC fuel quantity systems. The interchangeable adapter modules customize the DC400A to interface directly with a specific aircraft without the need for an external adapter cable. The digital monitor function monitors the fuel quantity indicator/signal conditioner output directly in pounds, volts, ratio, etc., depending on the module.

- Capabilities include bench checking aircraft fuel quantity system components and testing all major components and circuitry in the aircraft's DC fuel quantity system
- Provides direct digital LCD readout of probe capacitance

Weight:	4.5 lb
Dimensions:	5.3 x 12.2 x 10.4 in

EDMO#	MFR#	DESCRIPTION
DC-400A	101-00850	Digital DC Fuel Quantity Test Set
ACCESSORIES		
101-00802	101-00802	Fuel Quantity Adapter Cable DC400 and DC400A Module | Beechcraft, Raytheon 1900, C-99 & King Aircraft
101-00807	101-00807	Fuel Quantity Adapter Cable DC-400 Module | Bell 412SP and Bell 412HP Aircraft 108 and Newer Serial Numbers
101-00808	101-00808	Fuel Quantity Adapter Cable DC400A Module | DHC8
101-00814	101-00814	KingAir Probe Adapter Cable
101-00817	101-00817	15 Pin D-Sub DIN Adapter Cable | Beechcraft 1900
101-00829	101-00829	Bench Probe Adapter Cable
101-00831	101-00831	D-Sub to Round Connectors Adapter Cable
101-00868	101-00868	Fuel Quantity Adapter Cable | DHC8
101-00870	101-00870	Fuel Quantity Adapter Cable | DHC89
101-00878	101-00878	Fuel Quantity Adapter Cable | Piper Malibu Meridian
101-01008	101-01008	Fuel Quantity Test Leads
101-01012	101-01012	Fuel Quantity Lead with Clips

DIGITAL AC FUEL QUANTITY TEST SET

BARFIELD
EDMO# DFQ40K
MFR# 101-01501



The DFQ40K has the ability to measure the insulation breakdown of tank units, wiring, and connectors associated with the system; the capacitance of the tank units, which measure the level of fuel in the tanks; and the simulation of capacitances required to test and calibrate the aircraft indicating system. An additional trouble-shooting mode provides a relative indication of a problem associated with the phase of the return current.

- Completely self-contained AC capacitance fuel quantity test system
- Measures capacitance, insulation, DC voltage, resistance, and distance to fault
- Custom multi-line backlit graphic display
- Direct keypad entry of tank and comp simulation values
- Uses all existing fuel quantity cables & new generation of smart cables to perform automated test Routines
- Calibration date available from display with user alerts to approaching date
- Powered from common "C" batteries with an auto-off feature

EDMO#	MFR#	DESCRIPTION
DFQ40K	101-01501	Digital AC Fuel Quantity Test Set
ACCESSORIES		
101-00306	101-00306	Fuel Quantity Adapter Cable | DHC6 Twin Otter
101-00325	101-00325	Fuel Quantity Adapter Cable | Bell 212 and 412
101-00401	101-00401	Fuel Quantity Test Set Lead Package
101-00425	101-00425	Fuel Quantity Adapter Cable | Bell, Jetstar, SA226, Sikorsky S-61N, Swearingen Merlin
101-00438	101-00438	Fuel Quantity Adapter Cable | Lear Jet 24, 25, 35, 36
101-01421	101-01421	Fuel Quantity Adapter Cable | Sikorsky S-70 (UH-60A)
101-01434	101-01434	Fuel Quantity Adapter Cable | Gulfstream GIV

LAND MOBILE RADIO TEST SETS

CX300 COMXPERT COMMUNICATIONS SERVICE MONITOR TEST SET

VIAVI SOLUTIONS



The CX300 ComXpert Communications Service Monitor is a comprehensive communications service monitor solution for testing everything from portable radios and complex infrastructure to broadband networks. This portable radio test set offers technicians an easy-to-use solution in a portable form factor with a large, colorful touchscreen interface. This unit performs individual and overall pass/fail flags for simplified go/no-go testing, as well as optional automated test and alignment applications for many LMR and PMR radios. StrataSync cloud-based solutions offer users a simple method of storing and accessing test results from anywhere in the world.

- 100 kHz—6.6 GHz frequency range
- Simple tab-driven user interface
- Color-coded meters provide easy visual test verification
- Remote-controlled using Windows, Android, and iOS with Smart Access Anywhere
- Built-in two-port vector network analyzer with cable and antenna analysis S-parameter measurements
- LTE over-the-air analysis for testing both radio and broadband network infrastructure

Weight:	15 lb (6.8 kg)
Display Size:	10 in (25.4 cm)
Temperature Range:	Operating: 0°C to 50°C Storage: -40°C to 71°C
Relative Humidity:	95% (Non-condensing)
Altitude:	4,600 m
Battery Type:	14.4V, 6.8 Ah Lithium-ion
Battery Operation:	2.3 hr (typical) with 2 batteries
Battery Charging Limits:	32°F to 113°F (0°C to 45°C) ≤ 85% relative humidity

EDMO#	MFR#	DESCRIPTION
CX300	CX300	ComXpert Communications Service Monitor Test Set
OPTIONS		
CX300-DDMR	CX300-DDMR	DMR Test Option
CX-DP25P1	CX300-DP25P1	P25 Conventional (Phase 1) Test Option
CX-DP25P2	CX300-DP25P2	P25 Phase II Test Option | Requires P25 Phase 1
CX300F6GHZ	CX300-F6GHZ	6 GHz Range Extension
CX300-SCAA	CX300-SCAA	Cable and Antenna Analysis | DTF, VSWR, RL
CX300-SPSB	CX300-SPSB	External Power Sensor Support | BirdRF 501xD
CX300-TDM	CX300-TDM	Motorola MOTOTRBO Series Auto-Test & Alignment
ACCESSORIES		
CX300-AANT	CX300-AANT1	Antenna Kit | 1 GHz
CX300-ACS	CX300-ACS	Soft Carrying Case
CX300-ASOL	CX300-ASOL	Short-Open-Load Calibrator

8800SX DIGITAL RADIO TEST SET

VIAVI SOLUTIONS



The 8800SX expands upon the unprecedented features of the 8800 Series with a new 10 MHz external reference and updated software capabilities to further speed testing of today's Land Mobile Radio systems. With its hybrid portable design, the industry's largest color touch-screen display, ruggedness, internal battery, power accuracy, advanced automated test and alignment, fast VSWR/Return Loss, and cable fault measurements, the 8800SX offers RF professionals a whole new experience in radio tests.

- Fast Channel Analyzer with six color markers
- Fast Stack: test functions can be stacked and instantly accessed
- Presets: Ultra-fast store and recall of test setups
- Frequency Lists: User-defined frequency lists with editable Tx Frequency, Tx Level, and Rx Frequency entries
- Audio Record/Playback: Digital audio quality performance tests
- Color Meters: Color indicates pass/fail results on each meter
- Digital Modulation Plots: Distribution, Constellation, and Eye Diagram
- TDMA Burst Profile Plot: For DMR only; includes a burst "Mask" for pass/fail
- DMM: Simple measurement of voltage, current, and ohms; required for automated tests and alignment on mobile radios
- In-Line Power Meter: Internal or External; 500 W input with 4% Accuracy
- Tracking Generator: VSWR, Return Loss, DTF, and Tuning Duplexers
- Multi-Language GUI: English, Simplified Chinese, Traditional Chinese, Spanish, Portuguese, Malay/Indonesian, Korean, Arabic, Polish, Russian, Japanese, German, and French

Weight:	17 lb
Dimensions:	13.5 x 11.54 x 5.75 in
Input Power:	125 W, 500 W with in-line power meter
Frequency Range:	2 MHz to 1 GHz
Internal Battery:	2.5+ hours of operation
Rugged:	30 G Shock, MIL-STD 28800F Class 3
Systems Supported:	FM, AM, P25, P25 Phase II, DMR, NXDN, dPMR, ARIB-T98

EDMO#	MFR#	DESCRIPTION
8800SX	139942	Digital Radio Test Set
OPTIONS		
8800MT	142505	Mission Test System for Motorola Radios Only
8800OPT01	113334	DMR Conventional Option
8800OPT02	113335	dPMR Option
8800OPT03	113336	NXDN Option
8800OPT04	113337	P25 Conventional Option
8800OPT05	138895	P25 Phase II Option
8800OPT06	140215	DMR Repeater Test Option
8800OPT09	113338	ARIB T98 Option
8800OPT10	113339	Tracking Generator Option
8800OPT11	113340	Occupied Bandwidth Option
8800OPT12	113309	Internal Precision Power Meter
8800OPT14	113343	PTC Option
8800OPT15	113344	AAR Channel Plan Option
8800OPT20	139836	NRT-Z Power Sensor Support Option
8800OPT21	139837	Selectable Notch Filters
8800OPT22	139838	SNR Meter
8800OPT101	138525	Kenwood NXDN Series Auto-Test & Alignment
8800OPT102	138526	Kenwood 5X20 Series Auto-Test
8800OPT103	138527	Motorola APX Series Auto-Test & Alignment
8800OPT104	138528	Motorola MOTO Turbo Auto-Test & Alignment
8800OPT105	139315	Motorola ASTRO 25 XTS XTL auto-test & alignment
8800OPT107	141178	Kenwood NX-5000 series option
8800OPT108	139314	Hytera DMR Auto-Test Option (Requires OPT22, OPT01, OPT10, and AC25059)
8800OPT109	139313	Hytera DMR Repeater Auto-Test Option (Requires OPT22, OPT01, and 40dB/2W Attenuator)
8800OPT111	139317	Harris P25 Basic Auto Test
8800OPT112	139318	Tait P25 Auto Test Tait TP/TM9100/9400 Series
8800OPT113	141176	Tait TP/TM9300 DMR Repeater Auto-Test Option (requires OPT01)
8800OPT114	139319	Relm KNG Command, KNG2 Series Auto-Test & Alignment
8800OPT115	139320	EF Johnson VIKING Series Auto-Test & Alignment, P25 Phase II (Requires OPT04 and OPT05)
8800OPT117	141180	Harris XL-200P Series Auto-Test & Alignment (Requires OPT04)
8800OPT118	140913	Kenwood VIKING Series
8800OPT128	140868	Motorola APX 8000 Series A License Auto-Test & Alignment (Requires OPT04, OPT103 & AC24011)
8800OPT129	140900	Motorola APX Series B License Auto-Test & Alignment (Requires OPT04, OPT103 & AC24011)
8800OPT300	113350	Simplified Chinese Option
8800OPT847	8800OPT847	VIP Instrument Programming Tool
SOFTWARE		
AC25081	63927	Site Survey Software | Includes Field Test 7 GPS Receiver Antenna, STI Field Test 7 Software on USB Drive, Street Map Data for the Entire USA, and Canada, International Map Data Interface, Software Serial Driver of Your Choice and 1-Year Service and Support
140747	140747	NEON Signal Mapper Package, 1-Year Subscription | Includes TRX System Tracking Unit with Belt Clip, Portable Wireless Router, USB Cable, USB Wall Adapter, 1-Year Signal Mapper Software License with NEON Cloud Access and Warranty
140748	140748	NEON Signal Mapper Package, 2-Year Subscription | Includes TRX System Tracking Unit with Belt Clip, Portable Wireless Router, USB Cable, USB Wall Adapter, 2-Year Signal Mapper Software License with NEON Cloud Access and Warranty
140749	140749	NEON Signal Mapper Package, 3-Year Subscription | Includes TRX System Tracking Unit with Belt Clip, Portable Wireless Router, USB Cable, USB Wall Adapter, 3-Year Signal Mapper Software License with NEON Cloud Access and Warranty
141586	141586	NEON Signal Mapper Package, 5-Year Subscription | Includes TRX System Tracking Unit with Belt Clip, Portable Wireless Router, USB Cable, USB Wall Adapter, 5-Year Signal Mapper Software License with NEON Cloud Access and Warranty
ACCESSORIES		
112861	112861	Microphone
114348	114348	Precision DTF VSWR Accessory Kit
114475	114475	Antenna Kit
114479	114479	External Battery Charger
140227	140227	40 dB Attenuator / 18 GHz / Type N
141707	141707	Unbalanced to Balanced Adapter
62404	62404	DC Power Cord Cigarette Adapter
63351	63351	Test Cable 3ft, RG223 Coax Cable, BNC Male to BNC Male
63936	63936	DMM Test Leads
92793	92793	Bird Power Sensor 5017
AC24011	112277	10 AMP Current Shunt 0.01 Ohm
AC25059	82556	Attenuator/6db, 150 Watts, 1.5 GHz.

AIRFRAME/POWERPLANT TEST SETS

TT1200A DIGITAL TURBINE TEMPERATURE TEST SET

BARFIELD



TT1200A

The TT1200A Digital Turbine Temperature Test Set tests digital and glass cockpit indicators. It tests the aircraft Chromel/Alumel (K type) turbine temperature measuring systems with the ability to measure resistances to 0.001 ohms, measures insulation up to 200M ohms, and performs indicator run-outs with a resolution of 0.1°C or 1°C and a range of 1372°C. It can also display the equivalent °F or millivoltages and may be used as a master indicator. This microprocessor-based, completely self-contained, battery-powered unit is housed in a rugged, high-visibility case.

- 16-character alphanumeric LCD

Weight:	7.3 lb
Dimensions:	7 x 11 x 10 in
Accuracy:	±5% of reading for ±5 counts (200 KΩ, and 20 MΩ ranges)
Excitation:	45 VDC (nominal)
Simulated System Resistance:	Adjusted range: Less than 2Ω to >25Ω Fixed setting: <0.01Ω
Temperature Measurement:	K type (CH-AL thermocouple), -25°C to 1200°C (certified), 50°C to 1372 (extended)
Temperature Range:	14°F to 122°F (-10°C to 50°C)

continued on next page

EDMO#	MFR#	DESCRIPTION
TT1200A	101-00930	TT1200A Test Set
102-00932	102-00932	TT1200A Test Set Kit | Includes Test Set, CF6-80A, A1, A2 Application
ACCESSORIES		
115-00470	115-00470	Battery Tube Assembly
175-00190	175-00190	Cable Assembly
175-00215	175-00215	Cable Assembly
451-00112	451-00112	Front Panel Assembly

TT1000A DIGITAL TURBINE TEMPERATURE TESTER

BARFIELD



The TT1000A is a completely self-contained, battery-powered, aircraft turbine temperature system tester capable of measuring system lead resistance, insulation, and performing indicator run-outs with a range up to 1000 °C. The unit was specifically designed to meet all requirements for testing aircraft Chromel/Alumel (CH/AL) turbine temperature measuring systems and provides an accurate display of thermocouple outputs in degrees Celsius (°C).

The TT1000A includes an automatic digital display that practically eliminates human error and reduces testing time to a minimum. The test leads incorporate automatic temperature compensation to remove induced voltage caused by a "cold junction" created when the test leads are attached to the aircraft.

All of the features designed into the TT1000A have been added to reduce maintenance time and cost as well as provide a maintenance-friendly tester for measuring and displaying the resistance of thermocouples, thermocouple rings, and system lead circuits.

Weight:	4 lb
Battery:	8 x 5.5 x 5 in
Temperature Range:	Certified: 0°C to 1,000°C Extended: -60°C to 1,160°C

EDMO#	MFR#	DESCRIPTION
TT-1000A	101-00901	Digital Turbine Temperature Tester
ACCESSORIES		
101-00907	101-00907	TT1000A Adapter Cable
115-00215	115-00215	Cable
137-08001	137-08001	DC Voltage Converter, 45V (Replaces Part #415, 45V DC Battery)
137-08002	137-08002	DC Voltage Converter 9V Battery to 45V. (Replaces Battery Pack Part # 415)

2311FA PRESSURE TESTER

BARFIELD



The 2311FA Pressure Tester field tests aircraft pressure systems for both reciprocating and turbine engine pressure systems. It provides pressure for testing pressure transmitters, warning switches, pressure-type torque (BMEP) indicators, and system leak testing in the range of 0-600 PSI. The unit consists of a cylinder equipped with a manually operated screw piston for developing pressure. A fluid reservoir is connected through a control valve to the pressure cylinder. 1/8 NPT female outlet port is provided for attachment to the unit or system to be tested. The tester is portable and rugged, with a wide range of capability. It is simple to operate, self-contained, and both line and shop proven. Two types of gauges are recommended and available depending upon the requirements of the user (standard or inspector test types). Standard gauges are available with an accuracy of +2% of full scale in ranges of 0-60, 0-200, and 0-600 pounds per square inch (PSI). Inspector test gauges are available with an accuracy of +1/2% of full scale in ranges of 0-60, 0-100, 0-160, 0-200, 0-300, and 0-600 PSI. The use of VITON (fluorocarbon) seals on the piston permits the use of any fuel, lubricating, or hydraulic fluid. The principal incompatible fluids not to be used with VITON seals are alcohols, aldehydes, amines, alkyl phosphate esters (skydrol), ethers, and ketones.

- Provides for both leak and calibration tests
- Pressure source for pressure transducers, warning switches, and direct-reading pressure gauges
- Applicable for shop or line use
- No electrical or pneumatic source needed

Weight:	3 lb
Dimensions:	9.8 x 7.8 x 7.5 in
Temperature Range:	Operating: 0°C to 40°C Storage: -20°C to 60°C

EDMO#	MFR#	DESCRIPTION
2311FA	101-00212	Pressure Tester
ACCESSORIES		
304-00004	304-00004	Standard Pressure Gauge | 0-200PSI
304-00005	304-00005	Standard Pressure Gauge | 0-600PSI
304-00006	304-00006	Digital Pressure Gauge, 0.1 PSI Accuracy | 0-200 PSI
304-00007	304-00007	Digital Pressure Gauge, 0.1 PSI Accuracy | 0-500 PSI
304-00100	304-00100	Inspector Pressure Gauge | 0-60 PSI
304-00101	304-00101	Inspector Pressure Gauge | 0-100 PSI
304-00102	304-00102	Inspector Pressure Gauge | 0-160 PSI
304-00103	304-00103	Inspector Pressure Gauge | 0-300 PSI
304-00104	304-00104	Inspector Pressure Gauge | 0-600 PSI
304-00109	304-00109	Inspector Pressure Gauge | 0-200 PSI
23151X4	23151X4	Square Head Pipe Plug
B-42XF2	B-42XF2	Brass 1-Piece 3-Way Valve



QUALITY & EXCELLENCE, WHATEVER IT TAKES.
THE EDMO WAY

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PRATT & WHITNEY VIDEOSCOPE INSPECTION KIT

USA BORESCOPES



Portable video borescope kits provide high-resolution video with excellent quality and details. Borescopes allow technicians to inspect remote and difficult areas to reach while recording video and pictures for future reference. Pratt & Whitney video inspection kits are ideal for inspecting turbine and generator-type engines.

- Performs high-resolution video and picture recording
- 4 mm inspection scope
- Two- or four-way articulation
- 1,500 mm working probe length
- Tungsten sheathing
- Built-in LED lighting
- Rechargeable lithium-ion batteries

EDMO#	MFR#	DESCRIPTION
PWKIT-4	PWKIT-4	4-Way Articulation & 4.3 mm Probe Diameter
GUIDE TUBES		
PWC72835	PWC72835	Fits Pratt & Whitney PT6A-140 Engine
34910-200	PWC34910-200	Guide Tube PT6-200
34910-400	PWC34910-400	Guide Tube PT6-400
34910-600	PWC34910-600	Guide Tube PT6-600
34910-800	PWC34910-800	Guide Tube PT6-800

CT12A DIGITAL CABLE TENSIOMETER

BARFIELD



102-03120

The CT12A measures existing tension in 1/16 to 1/4-inch cables. There are two different unit types available within the product line: multi-cable and single-cable. The multi-cable unit is capable of measuring up to seven different cable sizes, while the single cable units are customized for one specific cable size. This device has a standard mode for providing individual cable tension measurements and an averaging mode, which automatically averages three measurements. The CT12A's screen displays the battery life, last measured cable size, ambient temperature, and cable tension. Only requires one-handed operation with no need for conversion tables.

Weight:	1.2 lb
Dimensions:	8.75 x 4.38 x 1.5 in
Power Requirements:	3.7 VDC Lithium Battery 14 hours Max if Instrument Remains On 28 hours Normal Operation (Activated 30% of Time)
Temperature Range:	Operating: -10°C to 60°C Storage: -20°C to 60°C

EDMO#	MFR#	DESCRIPTION
102-03120	102-03120	CT12A Hi Accuracy Tensiometer
ACCESSORIES		
102-03107	102-03107	Single Cable Tensiometer | Use on Cable Size 1/4/50-1000 pounds
102-03108	102-03108	General Multi-cable Tensiometer (1-4)/Extended Range

THE GRIPPER WIRELESS BRIDLE CABLE TENSION METER

SPRAGUE INSTRUMENTS



CTRDHWL150

The Gripper Digital Cable Tension Meter provides technicians a simple method for maintaining correct cable tension in autopilot flight control systems and is small enough to fit into tight areas. The small sensor head and separate handheld display box make it easier to view the measurement readings while adjusting the cable tension. The informative display box screen shows the temperature, cable size, and battery strength. This tensiometer is simple to use and has no extra parts. The unit comes calibrated, certified, and ready to use out of the box. Just turn on the unit and select the correct cable size. The Gripper has been designed so local calibration shops can certify their tools using the calibration information that is specified in user manuals.

- Selectable units of measurement: °C and °F
- Compact sensor head fits into tight spaces
- The display screen shows temperature, cable size, and battery strength
- Works for a range up to 10 meters
- Backlight ON/OFF display option
- Connects wirelessly via Bluetooth
- Carrying case included

EDMO#	MFR#	DESCRIPTION
CTRBCWL30	1445-01	Wireless Bridle Cable Tension Meter | 30lb Range Sensor
CTRDHWL150	CTR-DHWL-150	Wireless Control and Bridle Cable Tension Meter | 30lb and 150lb Range Sensors
CTRGAWL150	1345-001	Wireless Control Cable Tension Meter | 150lb Range Sensor

AUTOPILOT BRIDLE CABLE TENSIONING TOOL KIT

GENESYS AEROSYSTEMS

EDMO# 66645-01
MFR# 66645-01



This autopilot bridle cable tensioning tool kit allows mechanics and technicians to adjust the tension of autopilot bridle cables.

- Fits Cable Sizes: 3/32", 1/8", 3/16", 5/32"

SC063 SIGHT COMPASS

BARFIELD



The SC063 is a portable, self-contained calibration device used to check mounted aircraft compasses. This device consists of a modified aircraft compass that has been re-screened to indicate 180 degrees from normal. The SC063 allows the operator to stand facing the aircraft, making it considerably easier to transmit signals to and from the aircraft cockpit. The SC063 is unique in that the compensating magnets have been removed and a combination magnifying lens and collimating sight added.

Weight:	0.72 lb
Dimensions:	2.36 x 2.75 x 3.34 in
Includes:	5' 6" Monopod Support & Protective Carrying Case

*continued on next page

EDMO#	MFR#	DESCRIPTION
SC063	101-01200	Sight Compass
ACCESSORIES		
115-00493	115-00493	Monopod Support
383-00014	383-00014	Sight Plate
383-00015	383-00015	Front Lens for SC063 Sight Plate

SWING SIGHT COMPASS

OTTO INSTRUMENT SERVICE INC
EDMO# BJ-180
MFR# BJ-180



The BJ-180 sight compass is used to check the aircraft compass for accuracy. It has a reversed card, so the pilot and swinger read the same heading. It is painted red for clear identification and must not be installed in any aircraft. Comes complete with a plastic case and easy-to-follow instructions.

PROPELLER BALANCERS/ ANALYZERS

Z2020HR PROBALANCER ANALYZER KIT

ACES SYSTEMS



The Model 2020HR ProBalancer Analyzer provides step-by-step on-screen instructions for performing propeller balancing, rotor track and balance measurements, and vibration surveys. Additionally, the user may extend the basic capabilities by defining and saving "setup information" for common procedures. These saved settings can be recalled later to provide on-screen setup information, consistent procedures, and one-shot balance solutions without the difficulty of configuring the unit and re-entering data each time it's used.

- Dynamic propeller balancing
- Vibration Surveys and Spectrum Analysis
- Graphic spectral display with cursor, expanded views, and backlight
- Dual channel, simultaneous inputs
- Maintains prior influences to compute one-shot balance
- Programmable propeller balance influences Split weights to existing holes
- Supports multiple sensor types Powered by rechargeable batteries or by aircraft power

Weight:	4.8 lb
Dimensions:	9.3 x 7.5 x 4.4 in
Voltage:	12 VDC battery or 14-28 VDC external power
Power Supply:	Camcorder Type Battery Model RB 85 or Equivalent (12V, 2.3 A/hour Internal Lead Acid Battery)
Accuracy:	Vibration Amplitude: +/- 5%, 0–10 IPS Frequency Range: 0–10K Hz Tachometer Inputs: +/- .3%, 100–10,000 rpm
Operation Time:	10–12 hours (Optimum)
Charging Time:	2 hours
Operating Temperature:	0°C to 50°C
Kit Includes:	(1 e.) ProBalancer Analyzer, Mount Phototach Model 1015, 1015 Phototach Bracket Tape, Tachometer Optical Phototach, 25-foot Cable, Cable Sensor, ACES Systems Guide to Prop Balancing Manual, 10' Reflective Tape, Carry Case, Charger, Power Cord, Sensor Vibe, Gram Scale Palmscale, 2020HR Quick Start Guide, Protractor Propeller, 10 Placards: ACES Prop Balance, Option 2020 Enhanced Propeller, One Year Technical Support, Calibration and Maintenance Guide

EDMO#	MFR#	DESCRIPTION
Z2020HR	Z2020HR	Dynamic Prop Balance and Vibration Kit | 110V
Z2020HR-AV	Z2020HR-PROP-110V/ 10-700-0102	Dynamic Prop Balance and Vibration Kit with Software
ACCESSORIES		
10-3200153	10-320-0153	Cable for Phototach
10-3200158	10-320-0158	Cable Sensor
10-3200162	10-320-0162	Sensor Cable
10-3200175	10-320-0175	Cable
10-3200251	10-320-0251	Cable Interface | BK117 Cabin
10-3200259	10-320-0259	Breakout Cable | EC-135
10-3200488	10-320-0488	Cable, Adapter, Strobe | I/F to STRB/ACCY
10-1001773	10-100-1773	Optical Phototach
10-1000486	10-1000486	Phototach Mount | Bell-206 & AugustaWestland 109 TR
22-4300056	22-430-0056	Right Angle Sensor Mount | Hiller UH-12, Bombardier Dash 8, Honeywell ALF502/507, Bell 47, Pilatus PC-12
22-4300084	22-430-0084	Mag Pickup Mount | Schwiezer269C & Hughes 369, M/R Vibration
22-4300085	22-430-0085	Interrupter Mag | Schweizer 269C & Hughes 369
22-4300086	22-430-0086	Sensor Mount | Schweizer 269C & Hughes 369, M/R Vibration
22-4300087	222-430-0087	Phototact Mount | Bell-206, M/R
69-1000075	69-100-0075	Vibration Sensor

COBRA II DUAL CHANNEL VIBRATION & BALANCING ANALYZER

ACES SYSTEMS



The COBRA II Dual Channel Vibration Analyzer is a versatile yet compact instrument that combines all of the diverse technologies required for high-end engine vibration analysis, rotor track and balance, and propeller balance into one tool. With the Cobra II, all of these maintenance functions can be easily performed on virtually any airframe and engine type, such as a 2-propeller helicopter.

- Large, high-resolution, transmissive, full-color display with a super-bright LED backlight that can be easily viewed in direct sunlight
- Generate PDF reports directly from the analyzer and store them on a USB flash drive to be printed or saved in a separate location to retain accurate maintenance records
- Data storage, transfer, display, and analysis are independent of any proprietary software and a PC interface
- Application notes and eSetups are now available to download directly to the analyzer via the web

Weight:	6 lb
Dimensions:	10.5 x 9.75 x 5 in
Vibration Input:	9.5V Pk-Pk, 0 to 240 IPS peak with 20 mV per IPS sensor
Vibration Amplitude Accuracy:	±1% across frequency range
Frequency Range:	Selectable up to 30kHz (1,800,000 RPM)
Tachometer Inputs:	Better than 1 degree phase accuracy 60 to 10,000 RPM
Display:	7" day/night readable color LCD display with super bright LED Backlight
Power:	Rechargeable lithium ion battery

EDMO#	MFR#	DESCRIPTION
Z2021-PROP	Z2021-PROP	COBRA II Propeller Balance Kit
Z2021-HELI	Z2021-HELI	COBRA II Helicopter Balance Kit
ACCESSORIES		
MODEL 550	Z10-100-0550	Model 550 Tracker kit for Z2021-HELI

1015 PROBALANCER SPORT

ACES SYSTEMS



The Model 1015 ProBalancer Sport is the most economical option in the aviation propeller balancing industry. It performs propeller balancing that combines the economy of an entry-level balancer with the accuracy that exceeds any capabilities available in other entry- or mid-level instruments. Easy to use: fill-in-the-blank or option selection screen prompts lead the user through the entire balancing process. The Model 1015 ProBalancer Sport utilizes either NiMH rechargeable or standard 1.5-volt AA batteries and can be changed without losing data.

- Capable of one-channel data acquisition for an automated balancing process with minimal user-required input
- Tachometer input capable of acquiring speed signals from a TTL source up to a maximum of 6000 rpm
- Vibration input is calibrated to accept a signal from the STI CP 0907003 vibration sensor
- Designed to allow propeller balance on virtually any aircraft
- Process gives step-by-step directions while requiring very little information or action from the user

Weight:	2 lb
Dimensions:	7.5 x 1.25 x 4 in
Power Supply:	4 AA NiMH rechargeable batteries (not included)
Frequency Range:	300-6000 RPM
Operating Temperature:	-20 to 70 C

EDMO#	MFR#	DESCRIPTION
1015PBS	1015PBS	Aces Probalancer Sport
ACCESSORIES		
69-1001015	69-100-1015	Vibration Sensor & Cable Assembly/Accelerometer Cable
75-9001016	75-900-1016	Protective Boot

ST-4000I INTELLIGENT SERIES FLASH ANALYZER

EDMO# ST-4000I
MFR# ST-4000I



The ST-4000i Intelligent Series Flash Analyzer monitors the intensity of aircraft anti-collision strobe lighting equipment. This self-contained unit does not require any external accessories, which allows greater versatility when out in the field. The built-in software allows for maintenance personnel to log multiple tests and archive data for tracking maintenance. Additionally, the data can be exported from the device for further analysis.

- Auto-sensing flash analyzer for both red and white light sources
- Ergonomic, rugged, and self-contained design
- Over 8 hours of battery capacity
- Auto-logging data analysis for continued fleet monitoring
- PC accessories for data backup
- Optional accessories include a ruggedized case, a non-glare screen protector, a detachable safety lanyard, and ST-4000i Data Management software
- Calibration NIST traceable ISO17025
- USB charging
- Programmable, multi-user, and fleet tracking

Weight:	2.5 lb
Dimensions:	7.75 x 3 x 5.5 in
Display:	4.3 in VGA Capacity Color Touch Screen
Memory:	4 GB Internal Memory (Up to 2,500 Logged Records)
Operating Temperature:	0°C to 40°C

SOUND LEVEL METER KIT

EDMO# SE-402-AC3
MFR# SE-402-AC3



The SE-402 sound level meter kit is engineered to accurately measure noise levels in highly variable environments. It is capable of computing the average sound pressure over a length of time and logging the data at user-defined intervals to help in the assessment of occupational and environmental noise levels. Also, the sound patrol feature allows for portable printing in the field, providing documentation of the measured results.

- 30 to 140 dBA overall range, 110 dBA total dynamic measurement range, 143 dBA maximum sampled peak level
- Three selectable exchange rates: 3, 4, and 5 dBA
- General-purpose Type 2 microphone
- A, C, and Z peak frequency weighing
- Operational modes: SPL, L(max), L(min), peak, L(eq)/L(avg), and elapsed time

Weight:	13 oz
Measurement Parameters:	Elapsed Time, L(avg), L(eq), L(n) (max), Peak, SPL
Microphone Class:	Type 2
Application Type:	Area Monitoring (Sound Level Meter)
Battery Life:	18 hr
Battery Type:	Rechargeable
Hearing Protection Style:	Accessory
Intrinsically Safe:	No
Standards/Approvals:	CE, IEC 61672-1 (2002), ANSI S1.43 (R2007), CE
Time Response:	Fast or Slow

FIBER OPTIC INSPECTION

SMARTCLASS FIBER HANDHELD SOLUTIONS
VIAVI SOLUTIONS

HD4I SMARTCLASS DIGITAL HANDHELD VIDEO DISPLAY



The HD4I SmartClass™ digital handheld video display gives technicians the flexibility and performance in one powerful, easy-to-use device. At the push of a button, the HD4I cuts testing and certification time in half and gives customers confidence in their network quality. This unit provides reports with pass/fail fiber connectivity analysis; standardizes fiber inspection, analysis, and testing methods throughout the fiber network; and is used to install, test, and maintain fiber systems where portability is essential, such as in FTTX, BPON/EPON/GPON, FTTA, and data centers.

- Automated pass/fail analysis for fiber inspections and tests
- Onboard storage for fiber inspections and test results
- Easily generates fiber certification reports
- 3.5-inch color touchscreen

OLP-82 SMARTCLASS DIGITAL HANDHELD VIDEO DISPLAY



The OLP82/82P SmartClass digital handheld video display unit offers fiber optic technicians an easy-to-use tool for testing networks, saving results, and certifying client networks in one efficient, compact, and extremely portable device. With this inspection tool, technicians are able to certify network speed and build confidence in a provider's network quality. SmartClass fiber inspection tools feature automatic pass/fail certification methods while creating industry-standard or user-defined acceptance criteria.

- Allows technicians to complete inspection work quickly, on time, and correctly
- Eliminates the guesswork for pass/fail analysis
- Easily generate pass/fail certification reports of connectivity analysis
- Provides standardized fiber inspection, analysis, and testing methods
- Portable design makes installations, testing, and maintenance in various locations a breeze, including FTTX, BPON/EPON/GPON, FTTA, and data centers
- Calibrated wavelengths from 780–1,620 nm
- Offers support for industry-standard and user-defined acceptance criteria
- Stores fiber inspection date and test results onboard the unit
- Connects to PC via mini-USB for exporting data to FiberChekPRO™ software
- Includes two USB ports for additional devices such as a P5000i microscope
- Centers fiber imaging automatically
- 3.5-inch touchscreen user interface

DIGITAL ANALYSIS MICROSCOPE



The P5000i is a digital handheld microscope that automatically inspects and certifies the end faces of fiber connectors according to industry standards and specifications. This digital microscope provides instant pass/fail results at the push of a button, eliminating subjective and time-consuming guesswork. Compatible with multiple platforms, including T-BERD®/MTS-2000/4000/5800/6000A, 8000v2, HST-3000, Certifier40G, Cell Advisor JD720C, laptops, PCs, and Android mobile devices, the P5000i provides fast, repeatable analysis that easily integrates into existing test procedures. The world's leading manufacturers, installers, and service providers already rely on Viavi Solutions to certify their fiber connectors. Whether testing on the production line or in the field, the P5000i gives any technician that handles fiber the same capabilities in the palm of their hand.

- Connects via USB with multiple devices, including Viavi tools, laptops/PCs, and Android mobile devices
- User-selectable acceptance profiles allow certification to any acceptance criteria
- Includes FiberChekPRO™ software for analysis and reporting with laptops/PCs
- Automatic image centering ensures the fiber always appears in the center of the screen
- Detailed report generation to certify and document results
- Dual magnification (200X and 400X) functionality provides high-level and detailed inspection and analysis
- The magnification toggle button allows easy switching in both live and analysis views
- Accepts FBPT series tips for comprehensive support for all connector types used in today's network

CLEANBLASTPRO FIBER OPTIC CONNECTOR END-FACE CLEANING SYSTEM



The CleanBlastPRO is the latest automated fiber end-face cleaning system from VIAVI Solutions. Based on the original concept from its predecessor, the CleanBlastPRO has been redesigned from the ground up to deliver all the benefits of the original CleanBlast while adding improvements where they matter most. The result is a system that component and connectivity manufacturers and integrators can easily deploy throughout their production facilities to ensure clean fiber connectors.

- Ensure clean fiber end-faces for every connector type
- Streamline cleaning workflows in production environments with fast cleaning cycles
- Automate connector cleaning at the push of a button
- Remove, rather than spread or embed, loose debris from end faces
- Reduce consumption of cleaning materials (cloths, clickers, swabs, etc.)
- Utilizes 3M Novec™ 72DA, the industry's most trusted and effective solvent for cleaning fiber end faces
- Uses a precise non-contact air-solvent-air sequence to blast and remove contamination particles
- Comprehensive selection of cleaning tips for most fiber connector types
- High-performance air filter system
- Hassle-free solvent management
- Additional connections for secondary air tank, foot activation pedal, backplane handset extension

EDMO#	MFR#	DESCRIPTION
FBP-HD4I	FBP-HD4I	Digital Display Includes Patch Cord and Probe Scope
P5000I	FBP-P5000I	Digital Analysis Microscope | Automated Fiber Inspection and Pass/Fail Analysis
FBP-SD4I	FBP-SD4I	Fiber Inspection Kit | Includes: FBP-HD4I Digital Display, P5000I Digital Probe
2316/01	2316/01	OLP-82P SmartClass Digital Handheld Video Display | Dual-Mag Patch Cord Module, Integrated OPM
FIT8201PRO	FIT-8201-PRO	OLP-82 SmartClass Fiber Pro Kit
ACCESSORIES		
2305/90.02	2305/90.02	SmartClass Fiber Li-Ion Battery Pack
FBP-P5	FBP-P5	P5 Video Inspection Probe 200, 400X, 4 Pin Out
FBPP-PS4	FBPP-PS4	Power Supply for SmartClass Fiber, HP2, HD1, HD2, FVA, FVxW, FV series
FBPP-GC-6	FBPP-GC-6	Clear Tip Case | 6 Adjustable Compartments
FBPPSCASE2	FBPP-SCASE2	Soft Shoulder Case | Large
FCPP-CHP1	FCPP-CHP1	Holster for Fiber Chek Probe Microscope
FITHP360P4	FIT-HP3-60-P4	Handheld Display with Integrated Power Meter and 400 X Patch Cord Scope
FITP-RBT1	FITP-RBT1	Battery Tray

EDMO#	MFR#	DESCRIPTION
FITP-UC4P	FITP-UC4P	UC4P Hands-Free Carrier
VM-LCD-6	VM-LCD-6	LCD Video Display-5.6 with Mounting Bracket & Base
BARREL ASSEMBLIES		
FBPP-BAP1	FBPP-BAP1	Barrel Assembly for Probe Standard Configuration
FBPP-BAP3	FBPP-BAP3	Barrel Assembly for P5 Probe, Narrow Type for Use with Guides
FBPP-BAP4	FBPP-BAP4	Barrel Narrow 2.5mm
FBPPBAP3A6	FBPP-BAP3-A6	Barrel Assembly for P5 Probe, Narrow Type with 60 Degree Angle for Use with Guides
FBPTP31100	FBPT-P3-1100	Long Barrel Assembly for Use with P5000I, 11-inch with Ribbon Drive
FBPT-P3750	FBPT-P3-750	Long Barrel Assembly for Use with P5000I, 7.25-inch with Ribbon Drive
TIPS		
FBP3-C130	FBP3-C130	Interface Tip for Long Reach Video Probe P3
FBP3-UA	FBP3-UA	Long Reach Series Single Tip Adapter
FBPT-C130	FBPT-C130	Interface Tip for Standard Video Probe P5 for Use with Locking Guides
FBPT-ELIO	FBPT-ELIO	Inspection Tip Elio Socket
FBPT-FC	FBPT-FC	FC/PC Bulkhead Tip
FBPT-LC	FBPT-LC	LC/PC Bulkhead Tip
FBPT-LCA6S	FBPT-LC-A6S	Probe Tip LC Bulkhead, Square Angled 60 Degrees.
FBPT-MC3	FBPT-MC3	MC3 2.5 mm Socket Tip
FBPT-MIL1P	FBPT-MIL-1P	MIL-T-29504/15 2.0 mm PC Pin Tip
FBPT-MIL1S	FBPT-MIL-1S	MIL-T-29504/15 2.0 mm PC Socket Tip
FBPTMIL2A6	FBPT-MIL2-A6	MIL-T-29504/4/5 Tip for 1.58mm Pins and Sockets Angled 60 Degrees
FBPT-MIL2C	FBPT-MIL-2CPA	Tip for Use with Glenair Test Probe Adapter for 38999 Shells
FBPT-MIL2P	FBPT-MIL-2P	MIL-T-29504/4 1.58 mm Pin Tip
FBPT-MIL2S	FBPT-MIL-2S	MIL-T-29504/5 1.58 mm Socket Tip
FBPT-MIL3S	FBPT-MIL-3S	1.25 mm LuxCis Socket Tip
FBPT-MT999	FBPT-MT999	Tip Without Automated Inspection for MT999 Inspection Guides
FBPT-MTP	FBPT-MTP	MTP/MPO Bulkhead RibbonDrive Tip, MM
FBPT-MTP-L	FBPT-MTP-L	MTP/MPO Bulkhead RibbonDrive Tip, MM, Long Reach (7.0 cm)
FBPT-RQX8P	FBPT-RQX8-P	Radiall Quadrax Size 8 Pin Tip
FBPT-RQX8S	FBPT-RQX8-S	Radiall Quadrax Size 8 Socket Tip
FBPT-SC	FBPT-SC	SC/PC Bulkhead Tip
FBPT-SCAPC	FBPT-SC-APC	SC/APC Bulkhead Tip
FBPT-SMA	FBPT-SMA	SMA Bulkhead Tip
FBPT-SMA-P	FBPT-SMA-P	SMA Bulkhead Tip, Threaded Interface
FBPT-ST	FBPT-ST	ST Bulkhead Tip
FBPT-ST-A6	FBPT-ST-A6	ST Bulkhead Tip Angled 60 Degrees
FBPT-ST-L	FBPT-ST-L	ST Bulkhead Tip Long Reach
FBPT-U12M	FBPT-U12M	Universal 1.25 mm Patch Cord Tip
FBPT-U12MN	FBPT-U12M-N	Universal 1.25 mm Patch Cord Tip, Narrow
FBPT-U12MX	FBPT-U12MX	1.25 mm Tip for Use with FBPT-A801-1-XX-XX Guides
FBPT-U25M	FBPT-U25M	Universal 2.5 mm Patch Cord Tip
FBPT-U25MA	FBPT-U25-MA	Universal 2.5 mm APC Patch Cord Tip
FBPT-U25MN	FBPT-U25M-N	Universal 2.5 mm Patch Cord Tip, Narrow
FBPTMIL2PX	FBPT-MIL-2P-X	MIL-T-29504/4 1.58 mm Pin Tip Modified to 0.064-Inch Bore
FCLT-MIL2	FCLT-MIL2	CleanBlast Tip for MIL-T-29504/4 and MIL-T-29504/5
TMTPCF12	FCLT-MTP-CF12	CleanBlast Tip for 12/24f MPO Bulkheads
FCLT-U12	FCLT-U12	CleanBlast Tip for 1.25mm Bulkheads (LC, MU)
FCLT-U25	FCLT-U25	CleanBlast Tip for 2.5mm Bulkheads (FC, SC, ST)
MB2-JSFV2T	FBP3-MT-MB-JSF-V2-T	JSF MT Motherboard Tip for FBP3 (Tip Only)
MB2-JSF-V2	FBP3-MT-MB2-JSF-V2	JSF MT Motherboard 2-Position Tip and Guide Kit for FBP3
T-BAP3-125	FCLT-BAP3-125	CleanBlast Tip for BAP3 Guides
T-BAP4-125	FCLT-BAP4-125	CleanBlast Tip for BAP4 Guides
TFOCA1	FBPT-TFOCA1	TFOCA 1 Tip for Pins and Sockets
TFOCA2	FBPT-TFOCA2	TFOCA 2 Tip and Guide for Pins and Sockets
CLEANING		
FCL-P1000	FCL-P1000	CleanBlast Advanced Fiber Optic Connector End-Face Cleaning System | 5 ft Umbilical & Straight Bulkhead Handset (Does Not Include Probe or Monitor)
FCL-PRO-L	FCL-PRO-L	CleanBlastPRO Next-generation Fiber Optic End-Face Cleaning System | Large Internal Solvent Tank, FCLT-U25 Cleaning Tip
ACC-KIT1	FCLP-ACC-KIT1	CleanBlastPRO Accessory Kit Foot Pedal Extension Cable and Clamp
FCLP-FA-F1	FCLP-FA-F1	Replacement Air Filter for Auto Refill Kit (FCLP-RCA-3), Contains 1 Filter
FCLP-FA-F2	FCLP-FA-F2	Replacement Air Filter Kit | Large, Coarse (5 micron), 2-Pack
FCLP-FA-F3	FCLP-FA-F3	Replacement Air Filter Kit | Large, Fine (0.1 micron), 2-Pack
FCLP-RCA-1	FCLP-RCA-1	Refill Cap Assembly
FCLP-RCA-2	FCLP-RCA-2	CleanBlastPRO Manual Refill Kit
FCLP-RCA-3	FCLP-RCA-3	CleanBlastPRO Auto Refill Kit
FCLP-SOL1	FCLP-SOL1	CleanBlast Solvent Refill, 225ml Bottle
FCLPSOL1-6	FCLP-SOL1-6	CleanBlast Solvent Refill, 6-pack, 225ml
FCLPSOL1XL	FCLP-SOL1-XL	CleanBlast Solvent Refill, 1 Gallon Bottle
ADAPTERS		
FBPT65CMP	FBPT-65CM-P	Inspection Adapter Guide BACC65CM Pin
FBPT65CMS	FBPT-65CM-S	Inspection Adapter Guide BACC65CM Socket
FBPT65CNP	FBPT-65CN-P	Inspection Adapter Guide BACC65CN Pin
FBPT65CNS	FBPT-65CN-S	Inspection Adapter Guide BACC65CN Socket
FBPT-UFMA	FBPT-UFMA	FMA to FBP Universal Flare Adapter
FCLT-U12MA	FCLT-U12-MA	Cleaning Mating Adapter 1.25mm Patch Cords for CleanBlast
FCLT-U25MA	FCLT-U25-MA	Cleaning Mating Adapter 2.5mm Patch Cords for CleanBlast
FMAX-U25	FMAX-U25	Universal 2.5mm PC Advanced Fiber Microscope Adapter, Female, Threaded
VPP-UPP25	VPP-UPP25	UPP 2.5 mm Adapter for Power Meters (FC, SC, ST)
GUIDES		
38999-G006	FBPT-38999-G006	38999 Type III Guide, 13-04 Plug with Sockets, Size 16 Contacts
38999-PS	FBPT-38999-19-11-PS	38999 Type III Guide, 19-11 Plug with Sockets, Size 16 Contacts
38999-RP	FBPT-38999-19-11-RP	38999 Type III Guide, 19-11 Receptacle with Pins, Size 16 Contacts
A801-1-19P	FBPT-A801-1-19-P	ARINC Type 1 Guide, Size 19-12 Shell, Plug with Sockets
A801-1-19R	FBPT-A801-1-19-R	ARINC Type 1 Guide, Size 19-12 Shell, Receptacle with Pins
A801-1-25P	FBPT-A801-1-25-P	ARINC Type 1 Guide, Size 25-32 Shell, Plug with Sockets
A801-1-25R	FBPT-A801-1-25-R	ARINC Type 1 Guide, Size 19-12 Shell, Receptacle with Pins
A801-1000P	FBPT-A801-1000P	ARINC Type 1 Guide, Size 11-02 Shell, Plug with Sockets
A801-1000R	FBPT-A801-1000R	ARINC Type 1 Guide, Size 11-02 Shell, Receptacle with Pins
A801-1001P	FBPT-A801-1001P	ARINC Type 1 Guide, Size 13-04 Shell, Plug with Sockets
A801-1001R	FBPT-A801-1001R	ARINC Type 1 Guide, Size 13-04 Shell, Receptacle with Pins
A801-1002P	FBPT-A801-1002P	ARINC Type 1 Guide, Size 15-06 Shell, Plug with Sockets
A801-1002R	FBPT-A801-1002R	ARINC Type 1 Guide, Size 15-06 Shell, Receptacle with Pins
A801-1003P	FBPT-A801-1003P	ARINC Type 1 Guide, Size 21-16 Shell, Plug with Sockets
A801-1003R	FBPT-A801-1003R	ARINC Type 1 Guide, Size 21-16 Shell, Receptacle with Pins

EDMO#	MFR#	DESCRIPTION
A801-2001P	FBPT-A801-2001P	ARINC Type 2 Guide, F12 Plug with Pins
A801-2001R	FBPT-A801-2001R	ARINC Type 2 Guide, F12 Receptacle with Sockets
A801-2002P	FBPT-A801-2002P	ARINC Type 2 Guide, F12 Plug with Sockets
A801-2002R	FBPT-A801-2002R	ARINC Type 2 Guide, F12 Receptacle with Pins
A801-4001P	FBPT-A801-4001P	ARINC Type 4 Guide, 12 Contact Plug with Pins
A801-4001R	FBPT-A801-4001R	ARINC Type 4 Guide, 12 Contact Receptacle with Sockets
A801-4002P	FBPT-A801-4002P	ARINC Type 4 Guide, 36 Contact Plug with Pins
A801-4002R	FBPT-A801-4002R	ARINC Type 4 Guide, 36 Contact Receptacle with Sockets
FBPT-MTC-	FBPT-MTC-G001	MTC Guide Plug with Pins
FBPTMTCG02	FBPT-MTC-G002	MTC Guide Receptacle with Sockets
LUX24-G001	FBPT-LUX24-G001	Tyco LuxCis Guide 24 Contacts Plug with Sockets
LUX24-G002	FBPT-LUX24-G002	Tyco LuxCis Guide 24 Contacts Receptacle with Pins
PHD-G018	FBPT-PHD-G018	PHD 38999 Guide, Size 17-20 Shell, Plug with Sockets
PHD-G019	FBPT-PHD-G019	PHD 38999 Guide, Size 17-20 Shell, Receptacle with Pins
SABR-G001	FBPT-SABR-G001	Sabritech Guide for 1643202019 Receptacle with Pins
SABR-G002	FBPT-SABR-G002	Sabritech Guide for 1643202019 Plug with Sockets

FIBERCHEK PROBE MICROSCOPE

VIAVI SOLUTIONS
EDMO# FITFCKIT2
MFR# FIT-FC-KIT2



The FiberChek Probe Microscope is an all-in-one fiber inspection tool every technician should have on the job site. Aiding technicians with automated inspection workflows and fast, accurate performance, this hand-held tool is fully autonomous with built-in capabilities for image viewing, auto-center, auto-focus, pass/fail analysis, and storing and recalling results. This FiberChek Probe Microscope can be used on its own or connected to other devices over Wi-Fi or USB.

- Live fiber viewing on its built-in touch screen
- Built-in fiber endface analysis
- User-selectable acceptance profiles
- Export or store results on the device or computer
- Connections made via Wi-Fi and USB

Weight:	9.5 oz (272 g)
Dimensions:	8.6 x 50 x 131 in (218 x 50 x 131 mm)
Power Source:	Internal LiON battery, USB power
Run Time:	6 hr
Power Supply:	5V, 2A with interchangeable wall plugs for EU, US, & AU
Particle Detection Size:	< 1µm
Display:	128 x 128 x 1.5 OLED touch screen
Temperature Range:	Operating: 0°C to 50°C Storage: -10°C to 70°C
Connector:	USB 2.0 (Micro-B)
Certifications:	CE, EN/IEC 61326

INX 760 PROBE MICROSCOPE KIT

VIAVI SOLUTIONS
EDMO# INX760KIT2
MFR# INX-760-KIT2



The INX 760 is the ultimate tool for field technicians, offering unparalleled efficiency in ensuring pristine fiber connections. As the culmination of over 25 years of pioneering innovation and expertise, it stands as the apex of next-generation fiber end face inspection and analysis. While fiber inspection has become a standard practice for many field technicians, contamination still continues to be the #1 cause of optical network problems. With new connector types emerging, greater connector volumes used in the field, and an increase in new fiber technicians, the industry has reached an inflection point, causing the need for the INX 760.

- Kit Includes: INX 760 Microscope with Automated Simplex Multifiber Inspection and BT Wi-Fi Connectivity, bulkhead tips for MPO/PC, MPO/APC, LC/PC, LC/APC, SC/PC, SC/APC, mating adapters for MPO, LC duplex, SC duplex, tip cover, tip storage case, USB charging adapter and cable, and a carrying case.
- True Automated Inspection delivers the industry's fastest workflow for user applications that automates every step of the inspection process.
- AutoID Inspection Tips eliminate mistakes of error-prone manual or RFID configuration when changing tips.
- PanOptic Imaging Engine ensures edge-to-edge field of view without compromising magnification and resolution quality.
- VIAVI TPA Enabled, ensuring alignment, efficiency, and accuracy at every stage of a job with test process automation.

Weight:	1.5 lb (0.665 kg)
Dimensions:	9.9 x 7.5 x 2.4 in (253 x 191 x 60 mm)
Field of View:	Multifiber: 6400 x 1425 µm Simplex: 1000 x 1425 µm
View Modes:	Live, Inspected
Magnification Modes:	Low, High (auto center)
Focus:	Auto (on insert, triggered), Manual (simplex, duplex)
Panning:	Auto (duplex, multifiber), Manual (multifiber)
Image Analysis:	Auto: IEC 61300-3-35 edition 2, IEC 61300-3-35 edition 3
Test Results:	Save: triggered, auto if pass, auto always Simplex: ≤ 10,000, Duplex: ≤ 5,000, MPO 12x1: ≤ 1,500 saved Or proportional combination of the above
Auto Focus/Pan/Analysis:	Simplex: ≤ 4 s, Duplex: ≤ 5 s, MPO 12x1: ≤ 8 s
Auto Save:	Simplex: ≤ 1 s, Duplex: ≤ 1 s, MPO 12x1: ≤ 2 s
Hard Buttons:	Power, Trigger, Wheel
Display:	320 x 240-Pixel (2.4 in) Color Backlit Touchscreen
Status Indicators:	LED Ring, Power/Battery Charging LED, Speaker
Power Supply:	5V/2.1A USB AC Adapter
Battery:	Li-ion (Field Serviceable)
Operating Time:	> 4 hr (1 MPO 12x1 Test + Save/Min)
Wired Connectivity:	USB-C Port with Optional Locking Mount
Wireless Connectivity:	Bluetooth® 5.2 BLE, Wi-Fi 802.11b/g/n
Mounting Point:	1/4-20 Socket
Temperature Range:	Operating: 32 to 104°F (0 to 40°C) Storage: -4 to 140°F (-20 to 60°C)
Operating Humidity:	0 to 90% (Non-condensing)

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THE EDMO WAY

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FIBER OPTIC INSPECTION KITS

VIAVI SOLUTIONS

Built according to aircraft requirements, these kits include the HD41 Digital Handheld Display, the P5000I Digital Analysis Microscope, and a selection of interface tips, inspection tips, barrel assemblies, alignment guides, and organization cases, all packed into a padded Pelican hard case.



FBP-737MAX

EDMO#	MFR#	KIT DESCRIPTION
FBP-737MAX	FBP-737MAX	Boeing 737 Max Basic Avionics Kit
FBP787CCRD	FBP-787-CCR-D	Boeing B787 CCR Cabinet Long Reach Kit Works with Digital Scope
FBPSD4IPRO	FBP-SD4I-PRO	Pro Fiber Inspection
FBP-787-1	FBP-787-1	Boeing 787 Basic Avionics Inspection
FBP-KC46-1	FBP-KC46-1	Boeing KC46A Fiber Optics Inspection
FBP-P8-1	FBP-P8-1	Boeing P-8A Poseidon Fiber Optic Inspection
FBP-G650	FBP-G650	Gulfstream 650 Basic Avionics Fiber Optic Inspection
ACCESSORIES		
CASE-FBP	028608	Pelican 2400 Case | Black with Custom Foam

**Custom fiber optic inspection kits available. Call for more details.*

SMARTPOCKET OPTICAL TEST KITS

VIAVI SOLUTIONS

The SmartPocket™ Optical Test Kit is a pocket-sized and rugged instrument that aids in the installation and maintenance of fiber optic networks. The SmartPocket is equipped with an optical power meter and is available in either a dual- or quad-wavelength optical light source dedicated to power level, insertion loss measurements, and continuity checks. Auto-λ recognition mode automatically identifies wavelengths to avoid manipulation errors, and TWINTest mode automatically measures wavelength power at both ends.



- Rugged field design and flexible optical interface
- Universal push-pull (UPP) adapter system uses all 2.5 mm connectors
- Essential optical test kits for enterprise and service provider applications
- Certify standard, high-dynamic, and high-power applications
- Auto-wavelength and TWINTest features for error-free and efficient testing
- Permanent reference-level storage
- Fast result download and report generation with SmartReporter freeware
- OMK-3x kits Includes: power meter with USB port & light source with switchable adapter

OMK-35 OPTICAL TEST KIT

Dual-wavelength, single-mode optical test kit with a single-port laser source and a power meter with a UPP interface for power level and loss test measurement in access, metro, and core networks.

OMK-36 ENTERPRISE QUAD TEST KIT

All-purpose quad-wavelength optical test kit with a dual-port multi- and single-mode light source and a powermeter with a UPP interface for all single-mode and multimode power and loss measurements.

Weight:	1.32 lb (0.6 kg)
Dimensions:	11 x 8.5 x 2 in (280 x 215 x 50 mm)
Output Power:	-7 dBm (OMK-35) -22 dBm/-7 dBm (OMK-36)
Light Source:	Wavelength uncertainty: ±20 dBm Connector type: switchable adaptors
Power Meter:	Range: -65 dBm to 10 dBm Max. Input Power: 16 dBm Connector type: Universal push pull (UPP) Interface 2.5 mm (1.25 mm as accessory)
Wavelengths:	1310 nm, 1550 nm (OMK-35) 850 nm, 1300 nm, 1310 nm & 1550 nm (OMK-36)
Loss Dynamic Range:	58 dB (OMK-35) 40/58 dB (OMK-36)
Fiber Type:	Fiber type: SM (OMK-35) MM (50/125 µm)/SM (OMK-36)
Data Storage:	100 results

EDMO#	MFR#	DESCRIPTION
2127/02	2127/02	OMK-35 Optical Test Kit
2127/04	2127/04	OMK-36 Enterprise Quad Test Kit

T-BERD 6000AV2 HIGH RESOLUTION MULTI-MODE OTDR

VIAVI SOLUTIONS
EDMO# TB6000AV2
MFR# TD6000AV2-OTDR-RDZMM



The highly integrated, modular Viavi Solutions T-BERD/MTS-6000A (V2) test platform can be used during all fiber network life-cycle phases. It offers field service technicians great performance and versatile field upgrade ability. The platform can be equipped with various options, such as a SATA hard disk, WiFi, Bluetooth, 3G/4G, LTE connectivity, and VFL/power meter/talk set, or other useful capabilities.

- Optimized for work flow and cloud integration
- A future-proofed, highly modular platform with field-upgradeable options and modules increases productivity
- StrataSync™ cloud-enabled software option increases field productivity
- Upgradeable VFL, power meter, talk set, and video inspection scope options
- Multi-service capability for Ethernet and SONET/SDH tests
- Perform bidirectional OTDR and loss test set measurements
- Perform 10 G, 10 GE, and 40 G fiber dispersion testing (PMD/CD/AP)
- Optical spectrum analyzers for use in installing and maintaining CWDM/DWDM networks
- Test 10 GE LAN- and WAN-PHY at 850, 1310, and 1550 nm

Weight:	Mainframe only: 2.4 kg (5.3 lb) Mainframe w/ one 6100 module carrier & battery: 3.4 kg (7.5 lb)
Dimensions:	290 x 188 x 97 mm (11.5 x 7.4 x 3.8 in)
Display:	8 in TFT color touch screen, LCD 800x600, with high-visibility option
I/O Interfaces:	2 USB 2.0 ports, 1 mini-USB 2.0 port, RJ45 LAN, 10/100/1000 Mbps, 1 RS422 interface, Built-in Bluetooth (optional), Built-in WiFi 802.11 b/g/n (optional), 1 audio jack, 1 micro SD interface
Internal Memory:	2GB (128MB for storage)
Battery Type:	Standard removable LiON batteries
AC/DC Adapter:	Input 100–240 V, 50–60 Hz, Output 19 V DC/4.7 A
Humidity:	0 to 95% (Non-condensing)
Temperature Range:	Operating: -20°C to +50°C (-4°F to 122°F) (no options) Operating: 0°C to +40°C (32°F to 104°F) (all options) Storage: –20°C to +60°C (–4°F to 140°F)

VISUAL FAULT LOCATORS

VIAVI SOLUTIONS

VIAVI's Visual Fault Locators (VFL) locate optical fiber damage and breaks quickly and easily, as well as problem areas in fiber cables. This tool is capable of pinpointing sharp bends, breaks, and damages in fiber, conducting end-to-end continuity tests, and performing fiber tracing and identification. These VFLs are equipped with a 2.5 mm interface and are compatible with SC, ST, and FC connectors, while an optional 1.25 mm adapter adds compatibility with LC and MU connectors. When in use, the VFL emits a bright red (Class II) laser beam that makes damages in the fiber visible from a distance. The light can either be set to flash or to provide continuous light according to the operator's preferences.

FFL-50



The FFL-50 VFL is a pocket-sized fiber optic inspection tool that is powered by 2xAAA batteries for up to 30+ hours of operation.

FFL-100



The FFL-100 is a ruggedized, shock-absorbing fiber optic inspection tool that is powered by 2xAA batteries for up to 80+ hours of operation.

Weight:	1.6 oz (46 g) (FFL-50) 5.3 oz (150 g) (FFL-100)
Dimensions:	4.5 x 1.4 x 0.8 in (11.4 x 3.5 x 2.0 cm) (FFL-50) 8.7 x 1.4 x 1.2 in (22 x 3.5 x 3 mm) (FFL-100)
Fiber Compatibility:	Single-mode & Multi-mode
Wavelength:	650 mm (visible)
Laser Safety Rating:	Class II
Output Power:	1 mW (max).
Connector Interface:	Universal 2.5 mm (fixed), Universal 1.25 mm adapter
Battery Type:	2xAAA (FFL-50) 2xAA (FFL-100)
Safety:	1992, EN 61010-2, CE

EDMO#	MFR#	DESCRIPTION:
FFL-050	FFL-050	FFL-50 Pocket-Sized Visual Fault Locator
FFL-050-2	FFL-050-2	FFL-50 Pocket-Sized Visual Fault Locator | Includes 2.5 mm, 1.25 mm Adapter
FFL-100	FFL-100	FFL-100 Rugged Visual Fault Locator
ACCESSORIES		
FFL-050U12	FFL-050-U12	1.25 mm Universal Adapter

VISUAL FAULT LOCATOR

TEMPO COMMUNICATIONS

EDMO# 180XL
MFR# 52068671



The 180XL provides a pulsed and continuous wave operation to quickly and easily locate high losses and faults in fiber optic cables. The locator has an extended measurement reach of up to 7 km.

Weight:	0.26 lb (not including batteries)
Dimensions:	7.08" x 0.91 diameter
Wavelength:	650nm +/-10nm
Emitter Type:	Fabery Perot
Output Power:	0dBm
Laser Classification:	Class 2
Range:	7km
Modes of Operation:	CW and 2Hz modulation
Fiber Type:	Single-mode, Multi-mode
Battery:	2 AA
Battery Life:	80 hours with 3.9Wh batteries
Temperature Range:	Operating: -10°C to +45°C Storage: -40°C to +70°C
Connector Interface:	2.5mm Universal, Optional 1.25mm adapter
Certification:	CE, CDRH

560XL-EMI OPTICAL POWER METER

TEMPO COMMUNICATIONS



The 560XL-EMI Optical Power Meter is the perfect tool for installing and testing fiber optic cabling. The 560XL-EMI can be used to measure optical power or can be used in conjunction with an LED or laser source for insertion loss testing on multi- and single-mode fiber optic cabling. The 560XL-EMI measures optical power at 850nm, 1300nm, 1310nm, and 1550nm. It can store reference levels for faster, more efficient testing. The 560XL-EMI also uses a Snap-On Connector (SOC) interface for use with FC, SC, ST, and many other available connectors.

- Easy to use—three buttons control all functions
- Rugged, splash-proof design
- Engineered for use in areas with high electrical interference
- Enhanced EMI performance: MIL-STD-461E, Method RS103, tested to 190 V/m
- Loss measurements in dB; power measurements in dBm

Weight:	8.5 oz. (241g)
Dimensions:	2.8 x 5.6 x 1.4 in (7.2 x 14.2 x 3.5 cm)
Calibration Wavelengths:	850, 1300, 1310 and 1550nm
Power Range:	+3 dBm to -60 dBm
Accuracy:	±0.25dB
Linearity:	+3dBm to -3dBm: ±0.5dB -3dBm to -50dBm: ±0.05dB -50dBm to -60dBm: ±0.5dB
Resolution:	0.01dB
Power Requirements:	Two AA Size 1.5V Batteries (approx. 100 hours continuous operation)
Relative humidity:	0 to 95% (Non-condensing)
Temperature Range:	Operating: 5 to 131°F (-15 to 55°C) Storage: -31 to 158°F (-35 to 70°C)

EDMO#	MFR#	DESCRIPTION
560XL-EMI	560XL-EMI	Optical Power Meter
ADAPTERS & ACCESSORIES		
ASC-108	ASC-108/C	SC Universal Connector Interface
ATS-108	50605737	ST Universal Connector Interface
T1020	T1020	FC Snap On Connector
T1062	50605751	SC Snap On Connector
T10ZP	T10ZP	SMA 905/906 Snap On Connector

OPM510 OPTICAL POWER METER

TEMPO COMMUNICATIONS



The OPM510 standard optical power meter is designed for the Telco and MRO industries for reading both absolute and reference power measurements to ensure fast and accurate loss budget and insertion loss measurements. This optical power meter is certified for IP54 compliance with a rugged construction for providing users confidence whether testing in either single- or multi-mode networks.

- Tone and Probe Fiber Networks at 270Hz, 1kHz, and 2kHz
- InGaAs Detector for Maximum Sensitivity
- SC, LC, FC, and ST Interchangeable Bulkheads
- Auto Off or Continuous On Operation
- Battery or 120/240VAC Operation

Weight:	0.68lbs (300g)
Dimensions:	6.1 x 3.5 x 1.3 in (155 x 88 x 33 mm)
Calibrated Wavelength:	850, 1300, 1490, 1550, 1625
Measuring Range:	-65 to +10dBm
Detector Type:	InGaAs
Accuracy:	±0.25dB (±0.5dB @ 850nm)
Linearity:	±0.5dB (+10 to -3dBm) ±0.1dB (-3 to -50dBm) ±0.5dB (-50 to -65dBm)
Resolution:	0.01dB
Functions:	µW/dBm/dB(REF)/ Mod Tone Detect 270Hz, 1kHz, 2kHz
Connector Type:	SC/PC (Interchangeable LC, ST, SC)
Fiber Type:	Single Mode & Multi Mode
Battery Life:	> 100 Hours
Power Supply:	9V Alkaline or 1000mAh Li-Ion Battery with 9 VAC Adapter
Temperature Range:	Operating: -10°C–50°C Storage: -20°C–70°C
Relative Humidity:	0 to 95% (Non-condensing)
IP Rating:	IP54
Vibration:	5Hz–150Hz, Amplitude +0.15 mm
Shock:	Peak acceleration 25g at a pulse duration of 6ms

EDMO#	MFR#	DESCRIPTION
OPM510	OPM510	Optical Power Meter
ADAPTERS		
FC-OPM	FC-OPM	FC Adapter for OPM510
SC-OPM	55500041	FC Adapter for OPM510

SLS525 STABILIZED LIGHT SOURCE

TEMPO COMMUNICATIONS



The SLS525 Stabilized Light Sources are rugged, adaptable, and stable fiber optic sources available in either dual or triple wavelength lasers and a dual wavelength LED. Accurate insertion loss measurements are possible when used in conjunction with Tempo Communications optical power meters. When placing signals on the fiber optic cable, users can quickly identify fiber cables. SLS series light sources feature ruggedized IP54 compliance and provide confidence when testing in single-mode and multi-mode networks.

- Dual- and triple-wavelength laser sources at 1310, 1490, 1550, 1625, & 1650 nm
- Tone and probe fiber networks at 270 Hz, 1 kHz, and 2 kHz
- SC, LC, FC, and ST interchangeable bulkheads
- Battery or 120/240 VAC operation

Weight:	0.71 lbs (300g)
Dimensions:	6.1 x 3.5 x 1.3 in. (155 x 89 x 33mm)
Wavelength:	850/1300
MOD Frequency:	270, 1kHz, 2kHz
Output:	Power: -20dBm/-21dBm Stability: ±0.05 dB/15min ±0.15dB/8hr
Power Supply:	9V Alkaline or 1000mAh Lithium Battery/ 9V AC adapter
Vibration:	5Hz to 150Hz, Amplitude = 0.15mm
Shock:	Peak acceleration 25g at a pulse duration of 6ms
Battery Life:	60 Hours
Relative Humidity:	0 to 95% (Non-condensing)
Temperature Range:	Operating: -10°C to 50°C Storage: -20°C to 70°C

EDMO#	MFR#	DESCRIPTION
SLS525	SLS525	Dual LED Source (850 & 1300nm)
ADAPTERS		
LC-SOURCE	LC-SOURCE 55500044	LC Adapter, SLSÃ
SC-SOURCE	SC-SOURCE	SC Adapter, SLS
T10ZP	T10ZP	SMA 905/906 Snap On Connector

FIBER OPTIC PIN AND SOCKET CONNECTOR CLEANING TOOLS

IBC


9392


12910


13309


13310

Fiber optic pin and socket connector cleaners are mechanical cleaning tools designed to clean connectors residing in an adapter or faceplate and unmated connectors. These cleaning tools use a dry cleaning strand to gently sweep and lift away dust and residues from the connector end face.

Weight:	39 g (9392) 40 g (12910) 38 g (13309) 68 g (13310)
Dimensions:	208 x 17.5 x 17.5 mm (9392) 215 x 17.5 x 17.5 mm (12910) 177 x 17.5 x 17.5 mm (13309) 194 x 23 x 34 mm (13310)
Style:	Port Cleaner Push Style
Removes the Following Contaminates:	Arizona Road Dust (ISO 12103-1), Skin Oil Residue, Salt Water Residue, Alcohol Residue, Vegetable Residue, Hand Lotion, Distilled Water Residue, Graphite, T-shirt Lint

EDMO#	MFR#	FERRULE SIZE	COMPATIBLE CONNECTOR TYPES
9392	9392	2.5 mm	SC, ST, FC, E2000
12910	12910	1.25 mm	ARINC 800, ODC series, MXL38999, LuxCis series, MIL PRF 64266 [NGCON], Neutrik opticalCON
13309	13309	1.6 mm	M38999
13310	13310	2.5 mm	SC, ST, FC E2000, & TFOCA



ELT TEST SETS

BT200 HANDHELD BEACON TESTER

WS TECHNOLOGIES



The BT200 is a portable handheld Beacon Tester that will test and measure all approved Cospas-Sarsat 406 MHz emergency beacons.

- Measure and decode all 406, 121.5, 243 MHz frequency parameters
- Measure all First and Second Generation Beacons (FGB & SGB)
- Measure all ELTs, EPIRBs, and PLBs
- Receiver is fully integrated into IP67 Android smart device
- Create custom PDF Test Reports
- Receive real-time measurement details with Oscillograph feature
- Receive full RF power from ELT with no attenuator required
- Use antenna mode to test ELT over the air (up to 10m)
- Transfer data via USB to PC or printer
- Exceeds IMO, FAA, IC, and EuroCAE ELT certification requirements
- Download free software and firmware updates

INCLUDED WITH THE BT200:

BT200 Beacon Tester, RF input cable, USB interface cable, OTG/USB cable, Operator's Manual, AC adapter, waterproof hardcase, screen cleaning cloth, Certificate of Calibration and Certificate of Conformance.

EDMO#	MFR#	DESCRIPTION
BT200-2100	BT200-2100B	BT200 ELT Tester
SOFTWARE OPTIONS		
SGB	SGB	Measure Second Generation Beacons
Limit Tester	Limit Tester	User Defined Custom Pass/Fail Criteria
INTERFACE CABLES		
130-030	130-030	BNC to TPS Cable, 3 ft
130-031	130-031	BNC to BNC Cable, 3 ft
130-032	130-032	BNC to TNC Cable, 3 ft
130-033	130-033	BNC to BNC Cable, Custom Length 1-100 ft
130-034	130-034	MCX-m to MMCX-f RF Cable, 8 in
130-036	130-036	BNC to SMA-m Cable, 3 ft
ACCESSORIES		
850-CMB102	850-CMB102	121/406 Signal Combiner/Separator
850-CMB122	850-CMB122	121-243/406 Signal Combiner/Separator

STB100 BEACON TEST BENCH

WS TECHNOLOGIES
EDMO#: STB100
MFR#: STB100



The STB100 is a PC based Beacon Test Bench that will test and measure all approved Cospas-Sarsat 406 MHz emergency beacons.

- Measure and decode all 406, 121.5, 243 MHz frequency parameters
- Measure all First and Second Generation Beacons (FGB & SGB)
- Measure all ELTs, EPIRBs, and PLBs
- Measure and compute 406 MHz Frequency Stability
- Measure beacon leakage current
- Monitor DC supply to beacon 1 to 30v, 5mA to 8A
- Measure Vin to Vout low dropout of 50mV/A
- Monitor dual temperature channels
- Create custom PDF Test Reports
- Receive real-time measurement details with Oscillograph feature
- Receive full RF power from ELT with no attenuator required
- Use antenna mode to test ELT over the air (up to 10m)
- Exceed IMO, FAA, IC, and EuroCAE ELT inspection requirements
- Customize software with optional API Set
- Download free software and firmware updates

INCLUDED WITH THE STB100:

STB100 Beacon Test Bench, AC power cord, USB to PC cable, Active GPS antenna, RF input antenna, Operator's Manual, Certificate of Calibration, Certificate of Conformance.

EDMO#	MFR#	DESCRIPTION
STB100	STB100	STB100 Beacon Test Bench
SOFTWARE OPTIONS		
SGB	SGB	Measure Second Generation Beacons
API SET	API SET	Custom GUI or Automated Test Environment
INTERFACE CABLES		
130-030	130-030	BNC to TPS Cable, 3 ft
130-031	130-031	BNC to BNC Cable, 3 ft
130-032	130-032	BNC to TNC Cable, 3 ft
ACCESSORIES		
850-CMB102	850-CMB102	121/406 Signal Combiner/Separator
850-CMB122	850-CMB122	121-243/406 Signal Combiner/Separator
850-BB100	850-BB100	USER I/O Breakout Board
850-PRB100	850-PRB100	Temperature Probe
850-104	850-104	Custom Waterproof Hardcase



TSE100B SCREEN BOX

WS TECHNOLOGIES, INC



The TSE100B RF Screen Box is designed specifically for activating ELTs in an RF shielded environment, preventing false alerts.

- Verify GPS equipped ELT location details and GPS reception and encoding capabilities
- Prevent false alerts while testing ELTs in Normal Activation mode
- Test the G-switch activation in an RF shielded environment
- Test with a shielded effectiveness > 90 dB for 121.5, 243, and 406 MHz
- Shielded gloves allow handling beacon inside illuminated enclosure
- View equipment through integrated window
- Connect beacon directly to a WST Beacon Tester (BT200) inside enclosure
- Connect beacon directly to tester (BT200 or STB100) via BNC RF Port
- Use internal Sniffer Antenna to connect to tester (BT200 or STB100)

INCLUDED WITH THE TSE100B:

TSE100B RF Screen Box, Power Cable and AC Adapter, Active GPS Antenna (15'), Sniffer Antenna, Certificate of Conformance.

EDMO#	MFR#	DESCRIPTION
TSE100B	TSE100B	TSE100B RF Screen Box
ACCESSORIES		
130-020A	130-020A	GPS Extension Cable – 25 ft (7 m)
130-020B	130-020B	GPS Extension Cable – 50 ft (15 m)
130-020C	130-020C	GPS Extension Cable – 75 ft (22 m)
130-020D	130-020D	GPS Extension Cable – 100 ft (30 m)
420-105	420-105	Pole Mount GPS Antenna

FBM200A 406 ELT BEACON MONITOR

WS TECHNOLOGIES, INC
EDMO# FBM200A
MFR# 910-FBM200A



The 406 ELT Beacon Monitor from WS Technologies, Inc. provides real-time monitoring for all Cospas-Sarsat 406 MHz beacon transmissions. This device displays and decodes 406 messages with the ability to automatically receive all past, present, and future Cospas-Sarsat channels. All information is organized in an XML format for use in a database; additionally, information can be time-stamped and data logged. A GPS antenna and receiver allow the user to obtain precise geographical data, which is then automatically mapped to Google Earth, making it easy to view the GNSS location data with Google's detailed array of mapping features. Users can connect it to their PC via USB or Ethernet cables—the latter has the added benefit of allowing users remote management and diagnostics options.

- Monitors 406 ELTs in real time, displays and decodes messages, measures and displays RSSI (receive signal strength), and displays distance to beacon
- Automatically receives all past, present, and future Cospas-Sarsat channels with -125 dBm sensitivity (software adjustable sensitivity)
- Automatically map the location of the decoded GNSS location data into Google Earth™ for easy viewing and access to a detailed geographical interface
- Data is XMP formatted for use in database applications
- Can send alerts via email and/or with a time stamp
- Multiple units can be connected together for a wider range of coverage
- Connects to a user's PC with a USB cable or ethernet interface, which allows for remote management and diagnostics; power is supplied through the connection through a connection to a USB port or an AC adapter

Weight:	0.5 lb
Dimensions:	4.3 x 2.5 x 1.0 in
406 MHz Sensitivity:	-125 dBm
Out of Band Rejection:	>145 dB (<400 MHz, >413 MHz)
Harmonic Image Rejection:	>95 dB
406 MHz RF Input VSWR:	1.20:1
406 MHz Input Impedance:	50Ω
406 MHz Input Connector:	SMA (female) RP
GPS Antenna Port Bias:	+3.3V @ 40 mA max
GPS Antenna Connector:	SMA (female)
Receiver Power Requirements:	5V @ <500 mA (from USB port)
Temperature Range:	Operating: -40°C to 85°C Storage: -55°C to 85°C
Includes:	USB cable (2 m length), AC to USB adapter, Ethernet cable (2 m length), molded 406 MHz monopole antenna, GPS active antenna (5 m length), certificate of calibration, operator's manual, and user interface software

MINI ELT TESTER KIT

ICARUS INSTRUMENTS INC



The ELTT-124M mini ELT tester accurately measures an ELT's output power and frequency on 121.5, 243, and 406 MHz and verifies the decoding of the ELT's ID, GPS location, country code, and serial number. This device is compatible with any Wi-Fi-capable device with a web browser, including smartphones, tablets, laptops, or desktop computers. The ELTT-124M displays the user interface along with the ELT test data right in the web browser on the user's device. All measurements can then be stored and archived directly on the user's device for inclusion in the aircraft's records. Included with this ELT tester is an antenna for over-the-air testing, as well as an attenuator and cables for directly connecting to the ELT.

Weight:	5 oz
Dimensions:	3.3 x 2.1 x 0.8 in

EDMO#	MFR#	DESCRIPTION
ELTT-124M	ELTT-124M	Mini ELT Tester Kit | Includes Antenna
ACCESSORIES		
ELTT-124AM	ELTT-124AM	Attenuator | Includes 5 ft BNC to DMA cable

TS500 ULTRASONIC TEST SET

DUKANE
EDMO# TS500
MFR# TS500



The TS500 is a battery-operated heterodyne-type receiver that operates at an ultrasonic frequency of 8.8 kHz and 37.5 kHz. The test set was designed primarily as a self-contained, handheld functional tester for testing the Low Frequency Underwater Acoustic Beacons.

Weight:	13 oz (368 g)
Dimensions:	3.3 x 6.5 x 1.2 in (8.4 x 16.5 x 3 cm)
Battery:	9 V

UTS100 ULTRASONIC ULB TESTER

EDMO# UTS100
MFR# UTS100



This ultrasonic ULB tester is a hand-held device developed using a PCB board to detect ultrasonic frequencies between 20 kHz and 100 kHz. The ULB tester has 1 volume knob and 1 gain knob for tuning into the ULB that will be tested. The test set includes a self-contained box with a loudspeaker, ultrasonic microphone, and a 9-volt battery. The ULB tester can be utilized to perform functional checks while the ULB beacon is still installed in the aircraft.

WIRE & CABLE TESTERS

AVIONICS TDR COMPLETE KIT

AEA TECHNOLOGY, INC.



6021-5154

The Avionics TDR troubleshoots OSP, drop, or twisted pair cables (CAT 2 to CAT 6A) and single wires in bundles or harnesses. It uses step technology to accurately locate and display wire faults and then stores, recalls, and uploads traces to the PC by name, date, and time. It also has MicroFault locating for finding small coax kinks and crushes that might affect service but are difficult to see on a normal TDR trace. Ideal for testing Coax, Twinax, Triax, Telco OSP, or LAN twisted pairs Cat 2 to Cat 6A. Equipped with a user-friendly interface and including a setup wizard, named menu keys, and context-sensitive help. The internal cable elist holds 64 cable types, can be user-edited, and modified lists can be uploaded or downloaded to a PC using ETDR PC Vision™ software. AEA Technology offers two TDR purchasing options to accommodate the user's accessory needs: the Avionics TDR Complete Kit with a hard case and test leads or the Avionics TDR with a padded carrying case.

- Vision™ software and training presentation
- EMI-shielded interior protects against RF interference and emissions
- Accurate and clearer trace indication of faults with MicroFault locating for finding even small coax kinks
- Isolate drop or pairs quickly using the Tone function

Weight:	2.2 lb
Dimensions:	8.5 x 4.3 x 2.25 in
Internal Power:	8 AA NiMH cells (installed) ≈5.5 hrs continuous operation on single charge (rechargeable)
6021-5054 Kit Includes:	TDR unit; soft carrying case; belt case style with accessories pouch and connectors protection; BNC-to-Alligator clips test lead; AC adapter/charger; USB cable; quick start guide; basic user's guide; calibration certificate with data; CD with operating manual; ETDR PC Vision™ software and training presentation
6021-5154 Complete Kit Includes:	TDR unit; hard case; connector test leads for pin and socket sizes 12, 16, 20, and 22; coaxial cable with BNC connectors; BNC-to-Alligator clips; RJ45 Cat 5 test lead; AC adapter/charger; USB cable; quick start guide; basic user's guide; calibration certificate with data; CD with operating manual; ETDR PC

EDMO#	MFR#	DESCRIPTION
6021-5054	6021-5054	Avionics TDR Kit with Soft Carrying Case
6021-5154	6021-5154	Avionics TDR Complete Kit with Hard Case
ACCESSORIES		
6021-2400	6021-2400	BNC to Pin and Socket Set | Includes: Assembly Cable to #12, 16, 20, and 22 Pins and Sockets
6021-5000	6021-5000	E20/20 TDR Broadcast Option | N Connector
6021-5041	6021-5041	E20/20F TDR CATV Option | F & RJ45 Connectors
6021-5042	6021-5042	E20/20F TDR TELCO Option | F & RJ45 Connectors
6021-5053	6021-5053	E20/20B TDR VDV/RF Option | RJ45 & BNC Connectors
6022-2401	6022-2401	6 ft Coax Test Lead | BNC Male to BNC Female

SWR SITE ANALYZER

AEA TECHNOLOGY, INC.



The SWR Site Analyzer measures VSWR, return loss, and frequency domain reflectometer (FDR) on a frequency range of 100 KHz to 1.4 GHz. It features a full-color, backlit display with excellent readability even in full daylight and 50 memory slots allowing users to save and recall plots on the device or upload to a PC using the included Site Analyzer PC Vision™ software. The SWR site analyzer is designed with easy-to-use navigation menus and custom color settings for displaying measurement plots. The included NiMH batteries provide four continuous hours of operation and communicate with a PC via USB 2.0.

- Included technical support for user training and toll-free support for the life of the instrument

Weight:	2.2 lb
Dimensions:	8.5 x 4.3 x 2.25 in
Frequency Range:	100 KHz to 1.4 GHz
Power Requirements:	13.8–20 VDC @ 800 mA (min)imum or 8xAA batteries (NiMH, Nicd or Alkaline)
6050-5000 SWR Site Analyzer Includes:	Analyzer unit, N male terminators (short & 50Ω), 8xAA NiMH batteries (installed), belt case with removable shoulder strap, USB cable, 100–240 VAC adapter, Quick Start Guide, Basic guide, CD with operating manual, training PPT, Site Analyzer PC Vision™ Software, and Application Notes
6050-5050 SWR Site Analyzer Kit Includes:	Analyzer unit, soft padded carrying case, DC vehicle charge adapter, N to BNC adapter, and Three-way load (open load & short), N male terminators (short & 50Ω), 8xAA NiMH batteries (installed), belt case with removable shoulder strap, USB cable, 100–240 VAC adapter, Quick Start Guide, Basic guide, CD with operating manual, training PPT, Site Analyzer PC Vision™ Software, and Application Notes.

EDMO#	MFR#	DESCRIPTION
6050-5000	6050-5000	SWR Site Analyzer Kit
6050-5050	6050-5050	SWR Site Analyzer Kit with Soft Case & Accessories
2151-5000	2151-5000	Avionics TDR & SWR Site Analyzer kit | Includes 6021-5154 Avionics TDR Kit and 6050-5050 SWR Site Analyzer

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MICRO OHMMETER

AEMC
EDMO# 6240-
MFR# 6240



The 10A Micro-Ohmmeter Model 6240 is a rugged, low-resistance tester designed for both plant maintenance and field use. Utilizing a four-lead Kelvin method of testing, the Model 6240 Micro-Ohmmeter accurately measures very low resistance within 0.25%. Resistance measurements are automatically calculated from 5 µΩ to 400 Ω with resolutions down to 1 µΩ. The Model 6240 has selectable test currents of 10 A, 1 A, 100 mA, and 10 mA and includes a polarity reversal function The model 6240 is designed to conduct tests on both resistive and inductive material. Up to 99 measurements can be stored and printed directly to a printer or from a PC. DataView® (included) allows you to configure the instrument, temperature-compensate the test results, store data, and print reports.

- Direct reading, easy to operate
- Six selectable resistance ranges
- Overload and input fuse protection
- Manufactured to international safety and environmental standards
- Automatic decimal point and zeroing
- Large terminals accept banana plugs and spade lugs
- Rechargeable NiMH battery with internal charger (110/220 V). Can be charged during operation
- Large, multifunctional, backlit display
- Includes power cord and isolated USB cable

Weight:	10 lbs (4.5 kg)
Dimensions:	10.70 x 9.76 x 7.18 in (272 x 248 x 182 mm)
Storage Memory:	99 Tests, Supplied with DataView® Software for Download and Reporting
Battery:	Rechargeable NIMH Battery Pack 6V, 8.5Ah
Battery Life:	10 A: ≥ 850 tests with a duty cycle of 5 seconds on and 25 seconds off 1 A: ≥ 3500 tests with a duty cycle of 5 seconds on and 25 seconds off 100 mA: ≥ 4500 tests with a duty cycle of 5 seconds on and 25 seconds off 10 mA: ≥ 5000 tests with a duty cycle of 5 seconds on and 25 seconds off In Standby Mode: 4 to 6 months
Temperature Range:	Operating: -10°C to 55°C (14°F to 131°F) Storage: -40°C to 70°C (-40°F to 158°F)
Altitude:	2000 m

TRUE RMS DIGITAL MULTIMETERS

FLUKE



FLUKE 177

With its precision, reliability, and ease of use, the Fluke True-RMS Digital Multimeters are the preferred solution for professional technicians worldwide. Independently tested for safe use in CAT IV 600 V/CAT III 1000 V environments, these meters include all the features you need to troubleshoot and repair many problems in electrical and electronic systems. Fluke Digital Multimeters provide true-RMS voltage and current measurements, 6000-count resolution, manual and automatic ranging, and frequency, capacitance, resistance, continuity, and diode measurements. 0.09% basic accuracy and a digital display with an analog bar graph and backlight.

- Features a digital display with a backlight for working in dim lighting
- Allows closed case calibration through front panel

EDMO#	MFR#	DESCRIPTION
FLUKE 175	FLUKE 175 ESFP	True-RMS Digital Multimeter
FLUKE 177	FLUKE-177	True-RMS Digital Multimeter
FLUKE 179	FLUKE-179 ESFP	True-RMS Digital Multimeter/Temperature
FLUKE179ED	FLUKE-179/EDA2	True-RMS Digital Multimeter/Temperature with Accessories
FLUKE 233	FLUKE-233	True-RMS Remote Display Digital Multimeter
FLUKE 287	FLUKE 287	True-RMS Electronics Logging Multimeter
FLUKE 289	FLUKE 289	True-RMS Data Logging Multimeter
ACCESSORIES		
TPAK	TPAK	TPAK ToolPak Magnetic Meter Hanger

DIGITAL MULTIMETERS

FLUKE



FLUKE 114

These Fluke digital multimeters display true-RMS voltage, which tests continuity and resistance. A large white LED backlight aids work in poorly lit areas. Conveniently change batteries with the easy-open access door. Compact and designed for easy one-handed operation.

FLUKE 114

The perfect troubleshooting tool for go/no-go testing. Its AutoVolt capability automatically switches to measure AC or DC voltage, whichever is present. And you can use the LoZ function to identify so-called ghost voltage and prevent false readings.



FLUKE 115

FLUKE 115

Compact Multimeter for Field Service Technicians, designed to be used as a general-purpose troubleshooting tool and has the ability to measure current readings with 6000 count resolution, frequency, and capacitance.



FLUKE 117

FLUKE 117

The Fluke 117 Electricians Multimeter includes integrated non-contact voltage detection and Auto Volts and LoZ functions to help get the job done faster and prevent false readings caused by ghost voltage. It is a compact true-RMS meter for demanding applications like commercial buildings, hospitals, and schools.

Weight:	1.2 lb
Dimensions:	6.6 x 3.3 x 1.8 in

EDMO#	MFR#	DESCRIPTION
FLUKE 114	FLUKE-114	Digital Multimeter | AutoVolt & LoZ Ghost Detection
FLUKE 115	FLUKE-115	Digital Multimeter | Field Service
FLUKE 117	FLUKE-117	Digital Electrician's Multimeter | Non-Contact Voltage
ACCESSORIES		
TPAK	TPAK	TPAK ToolPak Magnetic Meter Hanger

FC INSULATION MULTIMETER

FLUKE



Fluke Connect + Fluke's 1587 FC Insulation Multimeter helps you identify tough problems, fix them, and wirelessly communicate your work quickly and easily—all at a safe distance. The Fluke 1587 FC is Fluke Connect-enabled, so you can download the free Fluke Connect® Measurements app to your smartphone and gain additional functions.

- Quickly find problems by saving and comparing measurements over time on a wireless device.
- PI/DAR timed ratio tests with TrendIt™ graphs to identify moisture and contaminated insulation problems faster
- Memory storage through Fluke Connect that saves measurements to your phone or the cloud and eliminates the need to write down results. Reduces errors and saves data for historical tracking over time
- Historical tracking and trending of assets to identify insulation degradation over time and allow real-time decisions to be made in the field with Fluke Connect® Assets (sold separately)
- Provides memory storage through Fluke Connect Measurements to eliminate the need to write down results
- Includes live circuit detection to prevent insulation tests if voltage >30 V is detected

Weight:	1.21 lb
Dimensions:	7.9 x 3.9 x 1.9 in (With Holster)
Humidity (Without Condensation):	0%–95% (10°C to 30°C) 0%–75% (30°C to 40°C) 0%–40% (40°C to 55°C)
Operating Altitude:	2000 m
Temperature Range:	Operating: –20°C to +55°C Storage: -40°C to +60°C

EDMO#	MFR#	DESCRIPTION
FLK 1587FC	FLUKE 1587 FC	FC Insulation Multimeter
ACCESSORIES		
TPAK	TPAK	TPAK ToolPak Magnetic Meter Hanger

77-IV DIGITAL MULTIMETER

FLUKE



The Fluke 77-IV digital multimeter has the features needed to repair most electrical and electronic problems. This meter is simple to use and has significant improvements over Fluke's original 70 Series with more measurement functions, conformance to the latest safety standards, and a much larger display that's easier to view.

- Wide 1000 V measurement range
- Average responding AC measurements
- 0.3% accuracy
- 10 amps continuous (20 A for 30 seconds)
- Frequency and capacitance
- Resistance and continuity

Weight:	420 g
Dimensions:	4.3 x 9 x 18.5cm
Maximum Voltage:	1000 V
Surge Protection:	8 kV peak per IEC 61010
Ω Fuse for mA Inputs:	440 mA, 1000 V FAST Fuse
Ω Fuse for A Inputs:	11 A, 1000 V FAST Fuse
Display:	Digital: 6000 counts, updates 4/sec Bar Graph: 33 segments, updates 32/sec Frequency: 10,000 counts Capacitance: 1000 counts
Altitude:	Operating: 2,000 m Storage: 12,000 m
Temperature Range:	Operating: -10° to 50°C Storage: -40° to 60°C
Electromagnetic Compatibility:	In an RF field of 3 V/M, accuracy = specified accuracy except in temperature: specified accuracy ± 5°C
Relative Humidity:	90% to 35°C 75% to 40°C 45% to 50°C
Battery Life:	400 hours Typical (Alkaline)

EDMO#	MFR#	DESCRIPTION
FLUKE 77-4	FLUKE 77 IV	Fluke 77 IV Digital Multimeter | Calibration Certificate
FLUKE77-4N	18M4542	Fluke 77 IV Digital Multimeter | No Calibration
ACCESSORIES		
TPAK	TPAK	TPAK ToolPak Magnetic Meter Hanger

87V INDUSTRIAL MULTIMETER

FLUKE



The Fluke 87V delivers the accuracy and advanced troubleshooting capabilities you need. Designed specifically to handle complex signals, the 87V industrial multimeter allows the user to gain productivity by taking the guesswork out of drive system troubleshooting even in loud, high-energy, and high-altitude locations.

- Accurate frequency measurements on adjustable speed drives (ASD) due to Fluke-designed low-pass filters
- Built-in thermometer allows temperature measurements without a separate thermometer
- Peak Min/Max allows capture of intermittents as fast as 250 µS
- Dual display resolution: 6000 or 20,000 counts
- CAT III 1000V, CAT IV 600V safety rated

Weight:	355 g / 624 g (with holster)
Dimensions:	201 x 98 x 52 mm (with holster)
Battery:	Alkaline Battery
Battery Life:	400 hours (typical)

EDMO#	MFR#	DESCRIPTION
FLUKE 87-5	FLUKE 87V	Industrial Multimeter
ACCESSORIES		
87-5/E2KIT	87V/E2KIT	Industrial Electrician Combo Kit
TPAK	TPAK	TPAK ToolPak Magnetic Meter Hanger

FLUKE 190 COLOR SCOPEMETER

FLUKE
EDMO# FLUKE-190
MFR# FLUKE-190-202-III-S



The Fluke 190 series III ScopeMeter is a portable oscilloscope that offers technicians a precision troubleshooting tool they can take with them to any job site. This category III/IV-rated test tool features fast sample rates and deep memory per channel, allowing for a very high capture rate for accurate measurements. Available in either a 2- or 4-channel version, the Fluke 190 features TrendPlot™ Paperless Recorder, ScopeRecord™ mode, Connect-and-view™ triggering, and a unique 100-screen Replay function to help quickly diagnose issues and minimize repair cost and downtime. This tool is simple to use when diagnosing difficult concepts like complex waveforms, induced noise, intermittent events, and signal fluctuations or drift.

- Includes: ScopeMeter 190-102-III, BC190/830 power adapter, power cord set, BP290 Li-ion battery pack, TL175 test lead set, VPS421 probe (2x), hand strap, hanging strap, USB cable, CXT293 carrying case, DWA-131 WiFi dongle, FlukeView activation instructions (paper), and printed instructions
- Up to four independent, isolated inputs, up to 1,000V
- Up to 5 GS/s real-time sampling (model depending)
- Deep Memory: 10,000 points per trace waveform capture (scope model)
- CAT III 1,000V/CAT IV 600V safety-rated instruments for industrial environments
- Up to seven hours of battery operation using BP291
- Easy-to-view, large, bright color display
- Easy-to-store and view historical data and transfer it to a PC over USB or WiFi
- Convenient battery access door for quick battery swaps
- IP51 rating, dust- and drip-proof protection
- Connect-and-view triggering for intelligent, automatic triggering on fast, slow, and complex signals
- Frequency spectrum using FFT analysis
- Automatic capture and REPLAY of 100 screens
- ScopeRecord mode gives 30,000 points per input channel
- Trend Plot Paperless record mode with deep memory for long-term automatic measurements
- 5,000-count DMM is included in the 2-channel models

Weight:	4.6 lb (2.1 kg)
Dimensions:	10.5 x 7.6 x 2.8 in (265 x 192 x 70 mm)
Display Resolution:	1120 x 765 px
Battery:	Rechargeable Li-Ion
Number of Channels:	2
Bandwidth:	200 MHz
Rise Time:	1.7 ns
Number of Scope Inputs:	2 channels plus external trigger
Channel Architecture:	All inputs insulated from each other and from ground
Input Coupling:	AC or DC, with Ground Level Indicator
Input Sensitivity:	With 10:1 Probe: 20 mV to 1,000V/div With 100:1 Probe: 200 mV to 10kV/div Direct (1:1): 2 mV to 100V/div
Bandwidth Limiter:	20 MHz and 10 kHz
Polarity:	Normal, Inverted, Variable
Input Voltage:	600 V
Vertical Resolution:	8 bit
Accuracy at 4 sec to 10 µs/div:	5 mV/div to 100 V/div, ±(1.5 % + 6 counts) 2 mV/div, ±(1.5 % + 10 counts)
Input Impedance:	1 MΩ (±1%) // 15 pF (±2.25 pF)
Maximum Sample Rate:	2.5 GS/s (each channel)
Record Length:	Up to 10,000 samples per channel
Time Base Range:	2 ns/div to 4 s/div
Timing Accuracy:	±(0.01% of reading + 1 pixel)
Glitch Capture:	8 ns (10 µs/div to 2 min/div)
Display Modes:	Any combination of channels; average on/off, replay
Visible Screen Width:	12 divisions horizontal in scope mode
Digital Persistence Mode:	Off, short, medium, long, infinite and envelope mode
Acquisition Modes:	Normal, Averaged, Auto, Single Shot, ScopeRecord™ Roll, Glitch Capture, Waveform Compare with Automatic "Pass/Fail testing"; Replay

T5-600 VOLTAGE, CONTINUITY, AND CURRENT TESTER

FLUKE
EDMO# T5-600
MFR# 648227



The Fluke T5-600 Voltage, Continuity, and Current Tester is a versatile troubleshooting tool to carry to every job site. Use it to check voltage, continuity, and current with one compact tool. Just select volts, ohms, or current, and the tester does the rest.

- Includes: 600 V Voltage, Continuity, and Current Tester, 4 mm detachable probes; and instruction sheet
- Automatically measure AC and DC voltage up to 600 V with precise digital resolution
- Measure current up to 100 A without breaking the circuit with OpenJaw design
- Troubleshoot resistance problems up to 1000 Ω
- Work in tight spaces with detachable Slim Reach probe tips

Weight:	300 g
Dimensions:	30.5 x 51 x 203 mm
Battery Type:	2 x AA
Battery Life:	200 hour Zinc Chloride, 400 hour Alkaline
Current Sensor Opening:	12.9 mm
Jaw Opening:	12.9 mm
Max Wire Size:	1/0 THHN Cable
Current Range:	0–100 A
Current Accuracy (50/60 Hz):	3% ± 3 counts
Voltage Range:	0–600 V
Voltage Accuracy:	AC: 1.5% ± 2 counts DC: 1% ± 1 count
Resistance Range:	0–1000 Ω
Continuity Beeper Threshold:	On at < 25 Ω, Off at > 400 Ω
Volts Indicator LED Threshold:	On at 30 VAC
Temperature Range:	Operating: -10°C to 50°C Storage: -30°C to 60°C
Humidity:	0% to 95% (5°C to 30°C); 0% to 75% (30°C to 40°C); 0% to 45% (40°C to 50°C)
Altitude:	2000 m

971 TEMPERATURE HUMIDITY METER

FLUKE
EDMO# FLUKE 971
MFR# FLUKE 971



The Fluke 971 is invaluable for facility maintenance and utility technicians, HVAC-service contractors, and specialists who assess indoor air quality (IAQ). Lightweight and easy to hold, the Fluke 971 is the perfect tool for monitoring problem areas. With a rugged holster and twist-open protective sensor cover, the Fluke 971 is built to perform and made to last.

- Includes: Operation Manual and 4 AAA Alkaline Batteries
- Backlit dual display of humidity and temperature
- Measures dew point and wet bulb temperatures
- 99 record storage capacity
- Ergonomic design with belt clip and protective holster
- Quick-response capacitance sensor
- Compact and lightweight
- Relative humidity from 5% to 95%
- Min/Max/Avg data hold
- Low battery indicator

Weight:	190 g (6.7 oz)
Dimensions:	19.4 x 6 x 3.4 cm
Battery Type:	4 AAA alkaline batteries
Battery Life:	200 Hours
Temperature Range:	Operating: -20°C to 60°C Storage: -20°C to 60°C at < 80% R.H. (with battery removed)
Relative Humidity:	5% to 95% RH
Humidity Sensor:	Electronic capacitance polymer film sensor
Data Storage Capacity:	99 points
Response Time (Humidity):	For 90% of total range–60 s with 1 m/s air movement

PRECISION MILLIOHM METER

EXTECH



The 380460 is a precision milliohm meter with high accuracy and performance for low-resistance measurements. This portable milliohm meter provides resolution to 0.1 mΩ with a manual zero display adjustment and overrange indication.

- High accuracy and performance for low-resistance measurements
- Large 0.7-inch (18mm) LCD 1999 count
- Manual zero display adjustment
- Overrange indication
- Compact, durable field service housing with protective cover
- Complete with 4-wire cables with Kelvin clip connectors

Weight:	1.5 lb
Dimensions:	6.3 x 2.8 x 3.4 in
Power:	110VAC, 60Hz

EDMO#	MFR#	DESCRIPTION
380460	380460	Precision Milliohm Meter | 110V
380460NIST	380460NIST	Precision Milliohm Meter | 110V with NIST/MFG Cert

MILLIOHMMETER

EXTECH



The 380580 is a battery-powered milliohmmeter. This milliohmmeter features high accuracy, a high resolution, a portable milliohmmeter battery operated for field use, four-terminal Kelvin measurements, and over-temperature and over-voltage protection. CE certified. Complete with 8 AA batteries and 2 sets of test leads (4 wires with 4 alligator clips and 4 wires with 2 Kelvin alligator clips).

- Over-temperature and over-voltage protection
- 5 ranges with 100 max resolution
- Large 2000-count LCD display
- Auto-Hold and Auto-Off features
- 20V test voltage
- Invalid test indicators prevent inaccurate measurements
- Built-in water-resistant case with shoulder strap

Weight:	3.3 lb
Dimensions:	9.8 x 7.5 x 4.3 in
Battery Power:	8 AA Batteries

EDMO#	MFR#	DESCRIPTION
380580	380580	Milliohmmeter | 4 Wire, 2000Ω
380580NIST	380580NIST	Milliohmmeter | 4 Wire, 2000 with NIST Certification
ACCESSORIES		
380565	380565	Kelvin Alligator Clip Test Lead

HIGH-RES PRECISION MILLIOHMMETER

EDMO# 380560NIST
MFR# 380560-NIST



This high-resolution precision benchtop milliohmmeter operates at resolutions down to 0.01 mΩ using four-wire Kelvin clip test leads. It features seven ranges for wide, low-resistance measurements, a 1,999-count display with comfortable 0.8-inch digits, and an automatic zero function, as well as a built-in comparator for Hi/Lo/Go resistance testing or selection.

- Seven ranges for wide low-resistance measurements
- High resolution up to 0.01 mΩ
- 1,999 count display with comfortable 0.8-inch digits
- Includes a 4-wire test cable with Kelvin clips and power cord
- Built-in comparator for Hi/Lo/Go resistance testing or section

Weight:	4.85 lb (2.2 kg)
Dimensions:	11 x 8.3 x 3.5 in (280 x 210 x 90 mm)
Power:	110VAC @ 60Hz 220VAC @ 50Hz

DLRO-10X DIGITAL MULTIMETER

MEGGER
EDMO# DLRO-10X
MFR# DLRO-10X



The DLRO-10X digital multimeter features automatic and manual low-resistance measurements down to 0.1 µΩ and up to 2,000 Ω. This provides users with more control over each measurement. The DLRO-10X includes the ability to download results in real time or store them in onboard memory. This unit has a large, backlit LCD display measuring 4-1/2 inches, which can display an average value within three seconds. High and low pass limits can be set to enable simple go-no-go testing.

- Interchangeable test lead terminations
- Auto current reversal cancels standing EMFS
- Protected to 600 volts
- Automatically detects continuity in potential and current connections
- Multiple operating modes plus fully automatic mode
- Alphanumeric keypad for entering test limits
- Printer output and memory

Weight:	2.6 kg
Dimensions:	22 x 10 x 23.7 cm
Measurement Mode:	Manual, Auto, Continuous, Inductive, Unidirectional
Measurement Control:	Fully Automatic/Manual
Measurement Speed:	<3 sec
Display:	4-1/2 in, 7 Segment LED Backlight LCD
Test Method:	Single cycle reversing D.C. ratiometric measuring average result display
Test Current Accuracy:	±10%
Test Current Stability:	<10 ppm per second
Lead Resistance:	100 mΩ total for 10A operation (max)
Voltmeter Input Impedance:	>200Ω
Data Transfer:	Real Time or From Storage Via RS232
Data Storage:	700 Tests
Memo Field:	Up to 200 characters per test
Battery Type:	7Ah NiMH Rechargeable
Battery Life:	1,000 10A tests
Battery Charge Time:	2.5 hr to 90%, 4 hr to full
Temperature Range:	Operating: 41°F to 113°F (5°C to 45°C) Storage: -22°F to 158°F (-30°C to 70°C)
Altitude:	2000 m

BIRD 43 RF WATTMETER

BIRD ELECTRONICS

The 43 is an insertion-type RF wattmeter, designed to measure RF power and load match in 50-ohm coaxial transmission lines. It is intended for use with CW, AM, FM, and TV modulation, but not pulse modulation. When used in 50-ohm applications, the 43 has a maximum VSWR of 1.05 for frequencies up to 1000 MHz. The meter provides direct readings in watts with an expanded scale for easy reading. The scale is graduated for 25, 50, and 100 full scale. Elements are available in a variety of power and frequency ranges.



BIRD 43 NF

Weight:	4 lb
Dimensions:	3.63 x 4.0 x 6.88 in
Power & frequency:	100 mW–10 kW | 0.45–2700 MHz
Connectors:	"QC" N Female (BIRD 43 NF) Female BNC (BIRD 43BNC)

EDMO#	MFR#	DESCRIPTION
BIRD 43 NF	BIR43	Bird 43 Meter | N Female
BIRD 43BNC	BIR43BNC	Wattmeter | BNC
BIRD 43P	BIR43P	Peak Reading Wattmeter
ACCESSORIES		
BIRD 4391A	BIR4391A	RF PEP Dual Element Power Analyst
4300-061	4300-061	Carrying Case

4314C RF WATTMETER

BIRD ELECTRONICS
EDMO# BIRD 4314C
MFR# BIR4314C



The 4314C RF Wattmeter is similar to the model 43 Thruline Wattmeter but also contains electronic circuitry to accurately measure peak envelope power, which is present in amplitude-modulated signals such as AM broadcasts, single sideband, and analog TV. The circuitry operates from 2 standard 9V alkaline batteries or an optional AC adapter.

Weight:	3 lbs (1.4 kg)
Dimensions:	6.88 x 5.13 x 3.63 in (175 x 130 x 92 mm)
Power Range:	100 mW to 10 kW
Frequency Range:	450 kHz to 1.2 GHz
Insertion VSWR:	1.05 (max) to 1000 MHz
Accuracy:	± 5% of full scale CW, ± 8% PEP
Pulse Parameter:	Pulse Width 0.4 µs (100-2300 MHz), 1.5 µs (26-99 MHz) and 15 µs (2-25 MHz), Repetition Rate 30 pps and Duty Factor 1 x 104 min.
Connectors:	QC Type (Female N)
Power:	120 VAC, 60 Hz or 220 VAC, 60 Hz
Battery:	Two 9 V Alkaline Transistor Batteries

4410A MULTIPOWER WATTMETER

BIRD ELECTRONICS
EDMO# BIRD 4410A
MFR# 4410A



The Bird 4410A RF wattmeter uses the basic principles and "look and feel" of the Model 43 but transforms it into a highly accurate, high-dynamic-range instrument. The mirrored-scale linear range meter has 2 switchable ranges, 0-1 and 0-3. Power is read as a multiple of the value indicated by the pointer, the decimal point location depending upon the range switch position and the factor printed on the plug-in element.

Weight:	3 lbs (1.4 kg)
Dimensions:	6.88 x 5.13 x 3.63 in (175 x 130 x 92 mm)
Power Range:	100 W, 1,000 W or 10,000 W

Frequency Range:	200 kHz to 1.0 GHz
Insertion VSWR:	1.25 (max) to 2300 MHz
Accuracy:	±5% of Reading for Any Reading Above 20% of the Power Range Selected for FM or CW Signals without AM.
Connectors:	QC Type (Female N)
Ambient Temperature:	0°C to 50°C (32°F to 122°F)

BIRD RF ADAPTER KIT

BIRD ELECTRONICS
EDMO# 4240-401
MFR# 4240-401



This Bird RF adapter kit allows assembly of compact, precision 50 Ohm adapters to meet up to 45 different matching requirements. The adapters offer low VSWR because of precision matching and tight mating tolerances. The N (F)/N combination, for example, is below 1.05 to 1 GHz and below 1.1 to 2.5 GHz. Model 4240-401 can fashion 45 combinations and includes enough couplers to assemble 5 complete adapters at the same time.

Weight:	13.44 oz
Dimensions:	6.5 x 4.625 x 1.6875 in
Kit Includes:	Male N Connector (4240-402), Female N Connector (4240-403), Male BNC Connector (4240-404), Female BNC Connector (4240-405), Male TNC Connector (4240-406), Female TNC Connector (4240-407), Male UHF Connector (4240-408), Female UHF Connector (4240-409), Male SMA Connector (4240-410), Female SMA Connector (4240-411), 5 Couplers (4240-413), and a Protective Case

25-A SERIES RF ATTENUATOR

BIRD ELECTRONICS
EDMO# 25A-MFN-40
MFR# 25A-MFN-40



The 25-A series bi-directional, 25-watt RF power attenuators provide reliable power reduction for isolating components under test conditions and providing harmonic signal analysis for comparison standards. These attenuators boast of high-quality, robust construction, and conservative power ratings.

- Self-cooling design
- Attenuator requires no AC power
- Broadband operation

Weight:	9 oz (256 g)
Dimensions:	5.3 x 2.3 in (135 x 59 mm)
Frequency Range:	1–4 GHz
Power Rating:	25 W
VSWR:	1.10:1 & 1.25:1
PIM:	-110 dBc (min)
Humidity:	95% (Non-condensing)
Operating Temperature:	-40°C to 40°C
Connector:	SMA, BNC, 7/16 DIN, N, TNC

25-T SERIES RF ATTENUATOR

BIRD ELECTRONICS
EDMO# 25-T-BNC
MFR# 25-T-MB



The 25-T Series RF Terminations are world-renowned for their high-quality, robust construction and conservative power ratings. The use of non-magnetic materials and plating provides safety when used in high magnetic fields such as MRI.

- Wide variety of connectors
- Compact size, easily transportable
- Rugged Reliability provides years of trouble-free use

Weight:	7 oz (199 g)
Dimensions:	5.3 x 2.3 in (135 x 59 mm)
Frequency range @ VSWR:	DC to 1 GHz @ 1.10:1 max. 1 GHz to 4 GHz @ 1.25:1 max.
Power Rating:	25 W
Operating Temperature:	-40°C to 40°C
Connector:	BNC

STANDARD ELEMENTS

BIRD ELECTRONICS



5A

All plug-in elements are calibrated in accordance with meticulous Bird calibration procedures supported by a long history of mean deviation values to assure adherence to advertised specifications of current instruments, as well as field interchangeability with equipment purchased, used, and trusted in all the years since its introduction.

EDMO#	MFR#	FREQUENCY RANGE
1 WATT		
150-1	BIR150-1	150-250 MHz
425-1	BIR425-1	425-850 MHz
5 WATT		
5A	5A	25–60 MHz
5B	BIR5B	50–125 MHz
5C	BIR5C	100–250 MHz
5D	5D	200–500 MHz
5E-400	5E-400	400 MHz
5E-800	5E-800	800 MHz
5-T-MB	BIR5-T-MB	Dummy Load with Male BNC
10 WATT		
10A	BIR10A	25–60 MHz
10B	BIR10B	50–125 MHz
10C	BIR10C	100–250 MHz
10D	BIR10D	200–500 MHz
10E	BIR10E-400	400–800 MHz
10E-800	BIR10E-800	800–1000 MHz
25 WATT		
25A	BIR25A	25–60 MHz
25B	BIR25B	50–125 MHz
25C	BIR25C	100–250 MHz
25D	BIR25D	200–500 MHz
25E	BIR25E	400–1000 MHz
25E-400	BIR25E-400	400–800 MHz

*continued on next page

EDMO#	MFR#	FREQUENCY RANGE
25E-800	BIR25E-800	800–1000 MHz
25H	BIR25H	2–30 MHz
50 WATT		
50A	BIR50A	25–60 MHz
50B	BIR50B	50–125 MHz
50C	BIR50C	100–250 MHz
50D	BIR50D	200–500 MHz
50E-400	50E-400	400–800 MHz
50E-800	50E-800	800–1000 MHz
50H	BIR50H	2–30 MHz
50-T-MN	BIR50-T-MN	Dummy Load with Male N
100 WATT		
100A	BIR100A	25–60 MHz
100B	BIR100B	50–125 MHz
100C	BIR100C	100–250 MHz
100D	BIR100D	200–500 MHz
100E-400	BIR100E-400	400 MHz
100E-800	BIR100E-800	800 MHz
100H	BIR100H	2–30 MHz
250 WATT		
250H	BIR250H	2–30 MHz
500 WATT		
500H	BIR500H	2–30 MHz
500J-1100	BIR500J-1100	1100–1260 MHz
500J-950	BIR500J-950	950–1100 MHz
ACCESSORIES		
CC-6	BIRCC6	4 Element Carrying Case
EC-1	BIREC1	12 Element Carrying Case

ANALOG VOM METERS

SIMPSON



260-8 CAL

Portable yet with benchtop accuracy, the 260-8 is ideal for use anywhere—workshop, lab, or in the field. These meters feature an additional resettable overload protection circuit and audible continuity checking.

The 260-8Xi offers all of the advantages of the Simpson 260-8, plus several new safety features. The bright yellow ABS housing is easy to see and also provides increased drop protection. The 260-8XPi includes a resettable overload protection circuit and an audible continuity check. Both versions come with batteries, a manual, and test leads with alligator clips.

- Easy to operate—two knobs control the selection of functions and ranges
- More than 20 measurement ranges for DC voltage and current, AC voltage and current, and resistance
- Large, tri-colored dial with mirrored scale to prevent parallax error
- Reverse recessed safety jacks prevent operator and tool contact with electrical connections
- Rugged phenolic case with reinforced walls for maximum durability
- Self-shielding taut-band meter movement provides added shock resistance

EDMO#	MFR#	DESCRIPTION
260-8 CAL	260-8 CAL	Simpson 260-8
260-8XPI	260-8XPI/12AC8439/12396	Simpson 260-8XPI
ACCESSORIES		
00043	00043	Test Leads for Use with Simpson 260-8
00125	00125	Test Leads for Use with Simpson 260-8XPI

879B DUAL DISPLAY HANDHELD LCR METER

EDMO# 879B
MFR# 879B



The 879B 40,000-count handheld LCR meters quickly and precisely measure inductance, capacitance, and resistance; also, this device measures impedance, theta, DCR, and ESR. This LCR meter is easy to operate and features fast auto-ranging for quick measurements as well as measurement parameter and test frequency selection. Features such as data hold (min)/max/average recording, tolerance sorting, and relative mode make this tool a valuable tool for many electronics technicians.

- 40,000 count resolution primary and 10,000 count resolution secondary display
- Automatic calculation of secondary parameters D, Q, Theta, and ESR
- Fast auto-ranging design for rapid, easy component measurement
- Visible and audible tolerance mode
- USB (virtual COM) interface
- SCPI-compliant commands for remote communication
- Software for datalogging and front panel emulation
- Configurable power-up states

Weight:	0.767 lb (348 g)
Dimension:	7.5 x 3.5 x 1.6 in (190 x 90 x 1 mm)
Measurements:	L,C, R, Z, D, Q, θ, ESR & DSR
Basic Accuracy:	0.5%
Test Frequency:	100 Hz, 120 Hz, 1 kHz, 10 kHz
Test Signal:	0.6 Vrms
Tolerance Mode:	1%, 5%, 10%, 20%
Measurement Tate:	1.5 readings/sec

MULTI FUNCTION INSULATION TESTER

MEGGER

EDMO# MIT420-2
MFR# MIT420/2-LG2



The MIT420/2 from Megger is a MIT400 series CAT IV insulation tester with a polarization index, dielectric absorption ratio functions, a variable test voltage range, and result storage. It is designed for a wide range of applications, from electrical installations, cable testing, motor testing, automotive, panel building, avionics, and maintenance. This unit features a variable range that allows any intermediate voltage from 10V to 1000V in 10V steps where application-specific test voltages are required that do not appear in standard ranges. It has a weatherproof, tough housing, a back stand, and a 6-cell battery compartment with separate fuse access.

- Stabilized insulation test voltage, live circuit detection, and protection
- Auto power down (setup), auto reverse polarity (setup ON-OFF), 15Hz to 400Hz frequency measurement
- 2% test voltage accuracy, pass/fail indication, test voltage, measurement range, and voltage display
- Display offers a combination of analogue arc and dual digital readout

Weight:	1.32 lb
Dimensions:	4.25 x 8.97 x 2.48 in
Voltage:	50V, 100V, 250V, 500V, and 1KV
Resistance:	200 GΩ
Temperature Range:	Operating: -10°C to 55°C (min)

INSULATION RESISTANCE TESTER

FLUKE



The Fluke 1507 and 1503 Insulation Testers are compact, rugged, reliable, and easy to use. With their multiple test voltages, they are ideal for many troubleshooting, commissioning, and preventative maintenance applications. Additional features, like the remote probe on these tools, save both time and money when performing tests.

- Automatic calculation of Polarization Index and Dielectric Absorption Ratio
- Make repetitive tests simple with the 1507s Compare (Pass/Fail) function
- Repetitive or hard-to-reach testing is easy with the remote test probe
- Live circuit detection prevents insulation tests if voltage over 30-Volts is detected for added user protection
- Auto-discharge of capacitive voltage and CAT IV 600 V overvoltage category rating for added user protection
- Remote probe, test leads, probes, and alligator clips included

Weight:	550 g (1.2 lb)
Dimensions:	5.0 x 10.0 x 20.3 cm (1.97 x 3.94 x 8.00 in)
Insulation Test Range:	0.01 MΩ to 10 GΩ
Insulation Test Voltages:	50V, 100V, 250V, 500V, 1000V
AC/DC Voltage:	Range: 600.0V Resolution: 0.1V 50 Hz to 400 Hz ± (% of Rdg + Digits): ±(2% + 3)
Input Impedance:	3 MΩ (nominal), < 100 pF
Vibration:	Random, 2 g, 5–500 Hz per MIL-PRF-28800F, Class 2 instrument

EDMO#	MFR#	DESCRIPTION
FLUKE 1503	FLUKE-1503	Fluke 1503 Insulation Resistance Meter
FLUKE 1507	FLUKE-1507	Fluke 1507 Insulation Resistance Meter
ACCESSORIES		
TPAK	TPAK	TPAK ToolPak Magnetic Meter Hanger

FLUKE 1535 DIGITAL INSULATION RESISTANCE TESTER

FLUKE
EDMO# FLUKE 1535
MFR# FLUKE-1535



The Fluke 1535 2,500 V Insulation Resistance Tester is engineered to simplify frontline troubleshooting whether you're on the factory floor or working in the field at a solar installation. With user-selectable test voltages from 250 V to 2,500 V and resistance measurements up to 500 GΩ, these testers allow you to cover more workload with a single tool. Equipped with an intuitive user interface, a short circuit current of up to 5 mA, and a CAT IV 600 V rating, these portable high-voltage insulation testers can deliver rapid and stable resistance measurements no matter where you take them.

- Automatically calculate the Polarization Index (PI) and Dielectric Absorption Ratio (DAR), minimizing the influence of environmental factors.
- Execute up to 1,300 measurements at 2,500 V or 6,500 measurements at 250 V on a single charge, enhancing productivity.
- Benefit from a CAT IV 600V rating and a built-in voltage alarm function for heightened safety during operations.

Weight:	1.3 kg
Dimensions:	18.4 x 21.1 x 9.3 cm
Display:	7.35 x 10.4 cm
Voltage Range:	250–2500V
Battery:	8 AA alkaline cells, IEC LR6
Temperature Range:	Operating: -10° to 50°C Storage: -20° to 60°C
Operating Humidity:	Non-condensing (<10 °C) ≤80 % RH (10 °C to 30 °C) ≤50 % RH (30 °C to 50 °C)
Altitude:	Operating: 2,000 m Storage: 12,000 m

AMB-25 DIGITAL INSULATION RESISTANCE TESTER

AMPROBE
EDMO# AMB-25
MFR# AMB-25



This affordable and rugged megohmmeter is fast and easy to use and offers the features you need for most insulation test applications, including wires, cables, transformers, and motors.

- Selectable test voltages: 250V, 500V, and 1000V
- Programmable timer to perform the dielectric absorption ratio test
- Sensitive ohmmeter for checking resistance of motor windings

Insulation Resistance:	250 VDC: 40.00 MO, 400.0 MO 500 VDC: 400.0 MO, 1000.0 MO 1000 VDC: 400.0 MO, 2000.0 MO
Resistance:	9V: 999.9 O

MIT300 SERIES INSULATION & CONTINUITY TESTER

MEGGER
EDMO# MIT320EN
MFR# MIT320-EN



The MIT300 series insulation testers are made of rugged construction, with an impact-resistant rubber overmolded case and innovative circuitry that guarantees high accuracy combined with stability of calibration. The tester has an insulation resistance of up to 999 Mohms, 200 mA continuity testing, a fast-reacting continuity buzzer, and facilities for nulling the resistance of the test leads.

The MIT320-EN offers insulation test voltages of 250V, 500V, and 1,000V and features a default voltmeter function, a backlit display, an illuminated range panel, an insulation limit alarm, resistance measurement, and an adjustable threshold for the continuity buzzer. The MEGIT320 is also supplied with a switched test probe to speed hands-free testing.

- Live circuit warning
- Weatherproof to IP54
- Intelligent Safety System for Protection

Weight:	2.1 lb
Dimensions:	8 x 5.7 x 3.2 in
Insulation Testing Voltage:	250V, 500V, 1000V

continued on next page

Test Range:	999 MΩ
Continuity:	Up to 100Ω
Volts AC/DC:	600V
Resistance:	10Ω to 1 MΩ range
Humidity:	93% R.H. @ + 40°C max
Temperature Range:	Operating: -10°C to +60°C Storage: -25°C to +70°C

MIT200 DIGITAL/ANALOG INSULATION & CONTINUITY TESTER

MEGGER
EDMO# MIT200EN
MFR#MIT200EN



The MIT200 installation tester provides technicians the tools for performing insulation and continuity testing. Its unique display offers a combination of digital and analog readouts, using Megger's DART display technology. This combination offers a clear and easy-to-read display that allows for measurement data to be read accurately and with confidence. The analog pointer response allows users to evaluate circuit charge and discharge characteristics. The ABS housing is constructed to withstand rigorous use for a long service life, while its small size fits into the user's pocket for maximum portability.

- Live circuit warning and test inhibit

Weight:	1.2 lb (550 g)
Dimensions:	7.7 x 3.9 x 1.6 in (195 x 98 x 40 mm)
Battery:	6, 1.5V LR6 cells or rechargeable NiMH cells 3,000 consecutive tests
Automatic Discharge:	Any voltage present will be indicated on the display for monitoring
Fuse Terminals:	500 mA (F) 600 V 32 x 6 mm Ceramic HBC 50 kA min
Auto Power Down:	Automatically shuts off after 10 minutes on standby mode
Temperature Range:	Operating: -10°C to 55°C Storage: -25°C to 65°C
Environmental Protection:	IP40
Safety:	Meets EN61010-1 CAT III 600 V phase to earth

FLUKE 381 TRUE RMS AC/DC CLAMP METER WITH IFLEX

FLUKE
EDMO# FLUKE 381
MFR# FLUKE-381 CAL



The Fluke 381 Clamp Meter combines iFlex flexibility with remote reading capability. The iFlex current probe measures large conductors and provides access in tight spaces. The detachable digital display allows you to attach the meter in one place and take the reading in another, up to 30 feet away. It's like being in two places at once. CAT IV 600 V, CAT III 1000 rated, the Fluke 381 combines innovation with safety.

- True-RMS AC/DV voltage and current for accurate measurements on non-linear signals
- State-of-the-art signal processing allows for use in noisy electrical environments while providing stable readings
- iFlex® Flexible Current Probe expands the measurement range to 2500 A AC

Weight:	350 g
Dimensions:	277 x 88 x 43 mm (55 mm for remote unit)
Jaw Opening:	34 mm
Frequency Range:	5.0–500.0 Hz
AC Current:	Range: 999.9 A / 2500 A (45–500 Hz) Resolution: 0.1 A / 1 A Accuracy: 3% ± 5 digits
AC Voltage:	Range: 600 V /1000 V Resolution: 0.1 V / 1 V Accuracy: 1.5% ± 5 digits (20–500 Hz)
DC Current:	Range: 999.9 A Resolution: 0.1 A Accuracy: 2% ± 5 digits
DC Voltage:	Range: 600.0 V /1000 V Resolution: 0.1 V / 1 V Accuracy: 1% ± 5 digits
Resistance:	Range: 600 Ω/6 kΩ/60 kΩ Resolution: 0.1 Ω/1 Ω/10 Ω Accuracy: 1% ± 5 digits
Humidity:	Non-condensing (< 10°C) ≤90% RH (at 10°C to 30°C) ≤75% RH (at 30°C to 40°C) ≤45% RH (at 40°C to 50°C)
Temperature Range:	Operating: -10°C to +50°C Storage: -40°C to +60°C
Safety Rating:	ANSI/ISA S82.02.01:2004 CAN/CSA-C22.2 No. 61010-1-04 IEC/EN 61010-1:2001 to 1000V CAT III, 600V CAT IV.

FLUKE 376FC TRUE RMS AC/DC CLAMP METER WITH IFLEX

FLUKE
EDMO# FLUKE376FC
MFR# FLUKE-376-FC



The Fluke 376 FC is a true-RMS AC/DC clamp meter with an iFlex flexible current clamp. This True-RMS multimeter logs measurements to pinpoint intermittent faults, wirelessly transmits measurements via the Fluke Connect app, creates and sends reports from the field, and takes measurements from safe distances using Bluetooth connectivity to Apple and Android devices.

- iFlex flexible current probe expands the measurement range to 2,500A AC and provides access to included large conductors in tight spaces

Weight:	395 g
Dimensions:	249 x 85 x 45 mm
Jaw Opening:	34 mm
Frequency Range:	5.0–500.0 Hz
AC Current:	Range: 2500 A Resolution: 0.1 A (≤ 600 A), 1 A (≤ 2500 A) Accuracy: 3% ±5 digits (5–500 Hz)
AC Voltage:	Range: 1000 V Resolution: 0.1 V (≤600.0 V), 1 V (≤1000 V) Accuracy: 1% ±5 digits (20 Hz to 500 Hz)
DC Current:	Range: 999.9 A Resolution: 0.1 A Accuracy: 2% ±5 digits
DC Voltage:	Range: 1000 V Resolution: 0.1 V (≤600.0 V), 1 V (≤1000 V) Accuracy: 1% ±5 digits
Resistance:	Range: 60 kΩ Resolution: 0.1 Ω (≤600 Ω), 1 Ω (≤6000 Ω), 10 Ω (≤60 kΩ) Accuracy: 1% ±5 digits
Humidity:	Non-condensing (< 10°C) ≤90% RH (at 10°C to 30°C) ≤75% RH (at 30°C to 40°C) ≤45% RH (at 40°C to 50°C)

Temperature Range:	Operating: -10°C to +50°C Storage: -40°C to +60°C
Safety rating:	CAT IV 600 V, CAT III 1,000 V

EDMO#	MFR#	DESCRIPTION
FLUKE376FC	FLUKE-376-FC	True-RMS AC/DC Clamp Meter with iFlex
ACCESSORIES		
TPAK	TPAK	TPAK ToolPak Magnetic Meter Hanger

FLUKE 353 TRUE RMS 2000 A CLAMP METER

FLUKE
EDMO# FLUKE-353
MFR# FLUKE-353



A versatile and rugged tool for applications with high currents. Confidently take reliable readings with the Fluke 353 True RMS digital clamp meter, the tool of choice for high current clamp-on amp meter measurement up to 2000 A. The extra-wide jaw easily clamps around large conductors typically found in high-current applications. The extra rugged design and CAT IV 600 V, CAT III 1000 V ratings add an extra element of user protection when taking high-powered measurements. Accurate peak measurements can be taken using the inrush current mode, ideal for motors and inductive loads.

- Reliably handle a wide range of high-current applications with 2000A AC + DC True-RMS, 1400A AC, and 2000A DC

Weight:	.814 kg (1.8 lb)
Dimensions:	300 x 98 x 52 mm (12 x 3.75 x 2 in)
Jaw Size:	58 mm (2.28 in)
Frequency Range:	5.0–1 kHz
AC Current:	Range: 40 A / 400 A / 2000 A; 1400 AC RMS Resolution: 10 mA / 100 mA / 1 A Accuracy: 10 A: 3.5% rdg + 15 digits
DC Current:	Range: 40 A / 400 A / 2000 A / 1400 AC RMS Resolution: 10 mA / 100 mA / 1 A Accuracy: A: 1.5% rdg + 15 digits
Humidity:	0 to 95% (Non-condensing)
Temperature Range:	Operating: 0°C to +50°C (32°F to +122°F) Storage: -20°C to +60°C (-4°F to 140°F)
Crest Factor:	Range: 40 A / 400 A / 2000 A / 1400 AC RMS Crest Factor: 2 @ 33 A, 2.4 @ 27 A, 2 @ 330 A, 2.4 @ 270 A, 2 @ 1000 A, 2.4 @ 833 A
Safety Rating:	CAT IV 600 V, CAT III 1000 V

TRUE RMS CLAMP METER

FLUKE
EDMO# FLUKE 325
MFR# FLUKE 325



The Fluke 325 True-RMS Clamp Meter is a reliable and versatile troubleshooting tool designed for commercial and residential electricians. The slim design allows technicians to stow it in their tool bag and take it to any job site. The Fluke 325's large display provides quick and easy troubleshooting. In addition to true-RMS AC current and voltage, the Fluke 325 measures DC current & voltage, temperature, and frequency.

Weight:	283 g
Dimensions:	207 x 75 x 34 mm
Max. Wire Diameter:	30 mm (600 MCM)
Frequency Range:	5–500 Hz
AC Current:	Range: 40.00 A / 400.0 A Accuracy: 2% ± 5 digits (45 Hz to 65 Hz) 2.5% ± 5 digits (65 Hz to 400 Hz)
AC Voltage:	Range: 600.0 V Accuracy: 1.5% ± 5 digits
DC Current:	Range: 40.00 A / 400.0 A Accuracy: 2% ± 5 digits
DC Voltage:	Range: 600.0 V Accuracy: 1.0% ± 5 digits
Resistance:	Range: 400.0 Ω / 4000 Ω / 40.00 kΩ Accuracy: 1.0% ± 5 digits
Contact Temperature:	14°F to 752°F (-10°C to 400°C)
Safety Rating:	CAT III 600 V, CAT IV 300 V

FLUKE I30S AC/DC CURRENT CLAMP

FLUKE
EDMO# FLUKE I30S
MFR# I30S



The Fluke I30S AC/DC Current Clamp makes use of the Hall Effect for measuring both AC and DC current. It can be used in conjunction with oscilloscopes and other suitable recording instruments for accurate, non-intrusive current measurement.

Weight:	250 g
Maximum Conductor Size:	19 mm diameter
Cable Length:	2 m
Frequency Range:	DC to 100 kHz (-0.5 dB)
Current Range:	Specified: 30 mA to 30 A DC, 30 mA to 20 A AC rms Usable: 5 mA to 30 A DC, 30 mA to 20 A AC rms
Crest Factor:	1.4 in
Accuracy:	±1% of reading ±2 mA (at 25°C)
Power Supply:	9 V Alkaline, MN1604/PP3, 30 hours, low battery indicator
Temperature Range:	Operating: 0°C to 50°C Storage: -20°C to 85°C (with battery removed)
Safety Rating:	CAT III 300 V

FLUKE I410 AC/DC CURRENT CLAMP

FLUKE
EDMO# I-410
MFR# I410



The Fluke i410 AC/DC current clamp expands the functionality of digital multimeters and measures up to 400 amps for both AC and DC current. The large clamp claw gives users access to difficult-to-reach areas.

- Battery-powered Hall-effect probe measures 1A to 400 A
- 1 mV/Amp output guarantees easy reading on your meter
- Take accurate current readings without breaking the circuit

Measurement Type:	Hall Sensor
Maximum Voltage:	600 V
Nominal Current Range:	400 A, AC/DC

*continued on next page

Continuous Current Range:	1 A–400 A AC/DC
Maximum Non-Destructive Current:	400 A
Lowest Measurable Current:	0.5 A
Basic Accuracy:	3.5% + 0.5 A (% reading + floorspec)
Useable Frequency:	3 kHz
Output Level(s):	1 mV/A
Battery Life:	9 V, 60 hr
Maximum Conductor Diameter:	30 mm
Output Cable Length:	1.6 m
Shrouded Banana Plugs:	Yes
Safety Rating:	CAT III 600 V

CP1 CABLE PRO CABLE TESTER

BULLER ENTERPRISES, INC

EDMO# 1-0490-0
MFR# 1-0490-0



The Cable Pro eliminates errors from manually probed pins and tests not only one connection but all possible combinations to verify correct, missing, and miswired connections. The CP1 is extremely flexible and can be reconfigured to test a variety of cables by utilizing the included Cable View software. With the software, the adapter and cable definitions can be defined manually or with a learn mode to copy the connections from a known good cable. Fix it to the workbench or take it to the job; a simple adapter mates the Cable Pro to the tested cable for a complete end-to-end test, or connect one end to the Cable Pro and use the built-in logic probe to visually and audibly test individual connections.

Weight:	1 lb (shipping weight)
Dimensions:	6.6 x 4.4 x 1.9 in
Includes:	Cable Pro tester, Cable View software, USB cable, logic probe, and one year warranty

BIRD ANTENNA AND CABLE ANALYZERS

BIRD ELECTRONICS



The pocket-sized SiteHawk Antenna and Cable Analyzer operates from 85 MHz to 4000 MHz or 1 MHz to 4500 MHz and features an intuitive interface readily accessible to the first-time user and minimizes clicks for an expert using it every day. Substantial internal storage eliminates the need to worry about file storage, holding thousands of traces on the device for future analysis or reporting. With the Bird SiteHawk, it is simple to determine if there is a problem with cable and antenna systems using the Measure Match function and locate the source of the problem with the Use Distance to Fault measurement.

- FDR (Frequency Domain Reflectometry) measurement method results in a highly reliable assessment of the health of critical components in your system, ultimately providing a “heads-up” before a failure occurs
- Fault location, or DTF mode, indicates VSWR or return loss levels at each point along the cable and antenna system length
- Cable loss function measures insertion loss of the cable system over a given frequency range

Weight:	1.98 lb
Dimensions:	7.2 x 3.8 x 1.9 in
Frequency Range:	300 kHz–200 MHz,1–4500 MHz, 20–6000 MHz
DTF Range:	0 to 5000 ft
Temperature Range:	Operating: 14°F to 131°F (-10°C to +55°C) Storage: -40°F to 176°F (-40°C to +80°C)

EDMO#	MFR#	DESCRIPTION
SK-4000-TC	SK-4000-TC	Antenna and Cable Analyzer | 85–4000 MHz
SK-4500-TC	SK-4500-TC	Antenna and Cable Analyzer | 1–4500 MHz

FLIGHTHAWK AVIATION RF & ANTENNA ANALYZER

BIRD ELECTRONICS



The FlightHawk RF Aviation Basic Test Kit offers rapid and accurate testing of multiple antenna cable systems in complex airframe systems. This cable and antenna analyzer allows maintenance technicians with commissioning, maintaining, and fault-finding of ground-to-air radios, airborne radios, repeaters, antennas, antenna combiners, and transmission cables. The FlightHawk Basic’s easy-to-use software makes it simple for maintenance personnel to verify all radio systems in a fleet. The Frequency Domain Reflectometer (FDR) function tests and verifies antenna cables in the antenna systems in both individual and complete systems.

- Kit Includes: FlightHawk-AV, Cable and Antenna Analyzer, SK-CAL-MN-C6, Calibration Combo, Hard Carrying Case
- Test RF cables & antennas at the frequency of operation
- Locate RF cable, connector & antenna problems at the source
- FDR (Frequency Domain Reflectometry) measurement method results in a highly reliable assessment of the health of critical components in your system, ultimately providing a “heads-up” before a failure occurs
- Fault location or DTF mode plots VSWR or return loss levels at each distance point along the cable and antenna system length
- Cable loss function measures insertion loss of the cable system over a given frequency range
- OTG USB communication port for connection to Bird power sensors, storage devices, and battery charging
- Aviation RF Cable & Antenna Analyzer
- FDR trace of precision return loss vs. frequency
- Return loss vs. distance
- Voltage standing wave ratio (VSWR)
- Cable loss and distance-to-fault (DTF) measurements

Weight:	1.98 lb (0.9 oz)
Dimensions:	7.7 x 3.6 x 2.4 in (195 x 90 x 60 mm)
Temperature Range:	Operating: 14°F to 131°F (-10°C to 55°C) Storage: -40°F to 176°F (-40°C to 80°C)
Battery Charging Temperature:	32°F to 95°F (0°C to 35°C)
Display:	5.5 in @ 720p
Supported Languages:	English, Chinese, Spanish
Battery Type:	Rechargeable Lithium-Ion
Battery Operating Time:	10 hr (typical)
Battery Charge Time:	5 hr (typical)

Storage Capacity:	Thousands of Trace and Setups
Recommended Calibration Interview:	2 Years
Connector Type:	USB type-C, USB 3.0
Test Port Connector:	N-type, female @ 50Ω
Frequency Range:	1 MHz — 6,000 MHz (at 1 KHz resolution)
Output Power:	-10 dBm (typical)
Trace Noise Magnitude (IFBW 1kHz):	0.05 dB, rms
Measurement Speed:	1 ms/datapoint
Measurement Points:	51—3,201
Measurement Bandwidth:	100 Hz—30 KHz
Temperature Stability:	0.01 dB/°F (0.02 dB/°C)
Return Loss Measurement Range:	0 dB to -60 dB
Resolution:	0.01 dB
VSWR Measurement Range:	1.0 to 65.0
Cable Loss Measurement Range:	0 dB to 30 dB
DTF Range:	0–5,000 ft (0—1,500 m)
Corrected Directivity:	> 38 dB
Maximum Input Voltage:	50V
Immunity to Interfering Signals:	+13 dBm
Power Measurement:	Yes

EDMO#	MFR#	KIT INCLUDES
FH-AVBASIC	FH-AV-BASIC	FlightHawk-AV Cable and Antenna Analyzer SK-CAL-MN-C6, Calibration Combo Hard Carrying Case
FH-AV-KIT	FH-AV-KIT	FlightHawk-AV Cable and Antenna Analyzer, 5017D-AV 100 MHz–1.3 GHz Wideband Power Sensor, 25-T-MN 25W RF Termination, SK-CAL-MN-C6 Calibration Combo, Hard Carrying Case, 4240-401 Adapter Kit, 4240-500-23 Adapter N(M)–SMA(M), 4240-500-10 Adapter N(M)–SMA(F), 4240-443 Avionics Adapter, 4240-444 Avionics Adapter

SITE HAWK AVIONICS TEST KIT

BIRD ELECTRONICS
EDMO# 7003A001-4
MFR# 7003A001-4



The Bird SiteHawk test kit quickly identifies and diagnoses antennas, cables, and connectors to avoid down-time and the expense of trial-and-error component swapping. Specifically designed for testing aircraft RF systems, this kit provides a pocket-sized SiteHawk cable and antenna analyzer, a wideband RF power sensor, and all necessary connector adapters and cabling in a rugged case. Ideally suited for field technicians and engineers who need to quickly diagnose and resolve problems with communications systems. The pocket-sized SiteHawk Antenna and Cable Analyzer operates from 1 MHz to 6,000 MHz and features an intuitive interface readily accessible to even the first-time user.

- FDR (Frequency Domain Reflectometry) measurement
- Fault location or DTF mode indicates VSWR or return loss levels
- Measures match function & determines cable and antenna system faults
- Locate the problem source with the distance-to-fault measurement
- The Bird Power Sensor allows testing of various power measurements
- Cable loss function measures insertion loss of the cable system over a given frequency range

Weight:	1.98 lb
Dimensions:	7.7 x 3.6 x 2.4 in
Frequency Range:	1–6,000 MHz (SiteHawk AV) 100 MHz–1.3 GHz (Wideband Power Sensor) DC – 4 GHz (Termination Load)
Battery Type:	Rechargeable Li-Ion | 10 hr typical run-time
Temperature Range:	Operating: 14°F to 131°F (-10°C to 55°C) Storage: -40°F to 176°F (-40°C to 80°C)
Connector:	Micro USB B, USB 2.0 (SiteHawk)
Certification:	CE EMC: Standard EN 61326-1:2006 Safety: Standard EN 71010-1:2001

FOX & HOUND PREMIUM WIRE AND CABLE TRACING KIT

TRIPLETT
EDMO# 3399
MFR# 3399



The Fox & Hound™ wire tracing kit consists of a versatile Fox 2™ Tone Generator (Toner) and a high-performance Hound 3™ Inductive Amplifier (Probe). The Fox 2™ is a battery-operated, handheld, multi-function toner that generates multiple tones (pulse or warble), performs some basic telephone line tests (loop mA, line polarity, and ringing voltage), provides a visual and audible continuity test, and integrates our own True Trace and TripLatch tests while providing overload protection up to 120 VAC. The Hound 3™ is a battery-operated, handheld, lightweight probe with a thumb wheel sensitivity control and signal strength indicator LED. It improves on previous designs with built-in LED headlights to illuminate dark areas and reduce fluorescent light noise, a bandpass filter to suppress unwanted frequencies, an earphone jack for noisy or quiet work areas, and an easy access battery cover.

FOX 2

- 3 methods of connectivity: RJ-11, RJ-45, or alligator clips
- High output, Warble/Pulse selectable tracer tone
- TrueTrace cadence shift for definite ID of cable or part within cable
- Red/green telephone line polarity LEDs
- Tone/Battery LED—indicates that Tracer tone is on and battery status

HOUND 3

- Adjustable sensitivity and loudness control
- Bandpass filter suppresses 60Hz and high-frequency noise
- Identifies Fox 2's tracer tone up to 12 inches away
- Headlights illuminate dark areas and reduce fluorescent light noise
- Built-in signal strength indicator
- Earphone jack for use in quiet or noisy environments
- Rugged, moisture resistant. Mylar cone speaker

Weight:	Fox 2: 7 oz Hound 3: 8 oz
Dimensions:	Fox 2: 3.7 x 2.4 x 1.1 in Hound 3: 8.25 in (With Metal Probe) 9.25 (With Conductive Plastic Probe) 1.87 Diameter
Overload protection:	120 VAC

FLUKE 51 II HANDHELD DIGITAL PROBE THERMOMETER

FLUKE
EDMO# FLUKE 51-2
MFR# FLUKE 51-2



The Fluke 51 II single-input digital thermometer delivers fast response with laboratory accuracy (0.05% + 0.3°C). The 51 II measures contact temperature on motors, insulation, breakers, pipes, corroded connections, liquids, and wires with industrial standard J, K, T, or E-type thermocouple temperature sensors. The user-friendly front panel and large, backlit display make it easy to view results. The sleep mode feature preserves battery life to give a typical thousand hours of operation.

- Easy-to-access battery door that allows replacing the battery without breaking the calibration seal
- Comes with a splash- and dust-resistant case protected by an impact-absorbing holster and a three-year warranty
- Powered by three standard AA batteries
- Includes an electronic offset function that compensates for thermocouple errors to maximize overall accuracy
- Provides a user-friendly front panel that is easy to set up and operate
- Offers sleep mode to increase battery life; 1000-hour battery life is typical

Weight:	400 g
Dimensions:	173 x 86 x 38 mm
Humidity:	0% to 90%; 0°C to 35°C 0% to 70%; 0°C to 50°C
Temperature Range:	Operating: -10°C to 50°C Storage: -40°C to 60°C

EDMO#	MFR#	DESCRIPTION
FLUKE 51-2	FLUKE 51-2	Handheld Digital Probe Thermometer
ACCESSORIES		
TPAK	TPAK	TPAK ToolPak Magnetic Meter Hanger

FLUKE 561 HVAC INFRARED & CONTACT THERMOMETER

FLUKE
EDMO# FLUKE 561
MFR# FLUKE-561



The Fluke 561 IR contact thermometer combines the temperature measurement functions that industrial, electrical, and HVAC/R professionals need in one tool. It is an IR thermometer for non-contact measurements, with K-type thermocouple capability for contact temperature measurement. Use the 561 IR capabilities to scan large areas or small objects quickly and efficiently, without having to shut down equipment. Measure hot, moving, electrically energized, and hard-to-reach objects instantly. Check motors, insulation, breakers, radiant heating, pipes, corroded connections, and wires. Plus, scan ducts and other hard-to-reach objects from the floor and leave your ladder in the truck. The handy flexible pipe probe (included) is used for taking superheat or internal temperatures.

- Contact and non-contact IR thermometer
- Works with all standard mini-connector type K thermocouples
- Provides single-point laser sighting
- Allows easy emissivity adjustment for measuring pipes

Temperature:	-40°C to 550°C (-40°F to 1022°F)
Distance to spot size:	12:1
Response time:	500 mSec (95% of Reading)
Laser power:	Class 2(II) Operation; Output < 1 mW, Wavelength 630-670 nm
Temperature Range:	Operating: 0°C to 50°C (32°F to 120°F) Storage: -20°C to 65°C (-25°F to 150°F)

INFRARED CONTACT & NON-CONTACT THERMOMETER

EDMO# 384A
MFR# 384A



The 384A IR thermometer measures hard-to-reach, sensitive, or large moving target areas. Without the use of a probe, the IR thermometer measures surface temperature and relays accurate data to the LCD display. The contact and non-contact tester uses laser sighting to confirm the intended target. For contact measurements, the 384A uses K-type thermocouples with submini connectors.

- Easy-to-use, single-button operationLast reading hold
- 9:1 distance to spot ratio

Weight:	7 oz
Dimensions:	6.1 x 5 x 1.3 in
Distance to Spot Size:	9:1
Response Time:	500 ms
Power Source:	9V Alkaline or NiCd Battery
Accuracy:	±2% or ±2°C or ±3°C, Whichever is Greater
Temperature Range:	-18°C to 1,000°C (0°F to 1,832°F)

TEST LEADS & WIRE

TEST LEADS & WIRE

CAL TEST ELECTRONICS INC





Ideal test lead wire for test leads, patch cords, and test fixtures. PVC, or silicone test lead jacket material, combines high flexibility, even at low temperatures, with resistance to burns and chemicals. The jacket features a durable colored outer layer with an inner white layer for cut or wear visibility. The conductor is highly stranded, soft, bare copper for additional flexibility.

EDMO#	MFR#	COLOR	LENGTH	DESCRIPTION
15 AWG				
CT2885-050	CT2885-0-50	Black	50m Spool	Test Lead and Patch Cord Wire, Silicone Jacket

EDMO#	MFR#	COLOR	LENGTH	DESCRIPTION
CT2885-250	CT2885-2-50	Red	50m Spool	Test Lead and Patch Cord Wire, Silicone Jacket
CT2885-450	CT2885-4-50	Yellow	50m Spool	Test Lead and Patch Cord Wire, Silicone Jacket
CT2885-650	CT2885-6-50	Blue	50m Spool	Test Lead and Patch Cord Wire, Silicone Jacket
CT28850100	CT2885-0-100	Black	100m Spool	Test Lead and Patch Cord Wire, Silicone Jacket
CT28852100	CT2885-2-100	Red	100m Spool	Test Lead and Patch Cord Wire, Silicone Jacket
18 AWG				
CT20601000	CT2060-100-0	Black	100cm	4mm Banana Plugs on Both Ends, PVC Jacketed Lead Wire
CT20601002	CT2060-100-2	Red	100cm	4mm Banana Plugs on Both Ends, PVC Jacketed Lead Wire
CT20601005	CT2060-100-5	Green	100cm	4mm Banana Plugs on Both Ends, PVC Jacketed Lead Wire
CT20601006	CT2060-100-6	Blue	100cm	4mm Banana Plugs on Both Ends, PVC Jacketed Lead Wire
CT23361500	CT2336-150-0	Black	150cm	4mm Banana Plug to 2mm Probe Tip, PVC Jacketed Lead Wire
CT2799-050	CT2799-0-50	Black	50m Spool	Test Lead and Patch Cord Wire, Silicone Jacket
CT2799-250	CT2799-2-50	Red	50m Spool	Test Lead and Patch Cord Wire, Silicone Jacket
KITS				
CT4189	CT4189	Lead Kit Includes: CT3881-0, CT3881-2, CT3881-6 and CT3881-9		

FLUKE



TL75



6733-2

Test leads are an integral part of the complete measurement system and extend the capabilities of your digital multimeter. Fluke test lead sets have one pair of red and black comfort grip probes with flexible silicone or PVC insulated, right-angle test leads. Safety ratings up to CAT III 1000 V.

EDMO#	MFR#	DESCRIPTION
6733-2	6733-2	Test Lead Wire, Red, 50-foot Roll
TL175	TL71	Premium Probe Tip Test Lead Set, Silicone, 4 mm Right Angle Banana Plug, 1 kV, 10 A
TL71	TL71	Premium Test Lead Set, One Pair (Red, Black) Comfort Grip Probes with Silicone Insulated, Right-Angle Test Leads
TL75	TL75	Hard Point Test Lead Set, PVC, 4 mm Right Angle Banana Plug, 1 kV, 10 A
TL220	TL220	SureGrip Industrial Test Lead Set
TLS-2000B	TLS-2000B	Silicon Rubber Multimeter Leads
A050	A050	Test Leads with Alligator Clips

TL80A BASIC ELECTRONIC TEST LEAD KIT

FLUKE
EDMO# TL80A
MFR# TL80A



The TL80A Basic Electronic Test Lead Kit has the fundamental accessories for testing electronics. It includes one pair of red and black comfort grip probes with flexible silicone-insulated, right-angle test leads that are heat- and cold-resistant with safety ratings up to CAT III 1000 V. The TL80A comes with the C75 accessory case to easily store your test leads.

Kit Includes:	One Pair (Red, Black) Each 1 m Long Silicone Test Lead Set, Alligator Clip and Probe Tip Extender, C75 Soft Carrying Case, One Year Warranty

TL81A DELUXE ELECTRONIC TEST LEAD KIT

FLUKE
EDMO# TL81A
MFR# TL81A



The Fluke TL81A Deluxe Electronic Test Lead Kit is ideal for testing electronic equipment. It offers test versatility with modular test probes, alligator clips, test clips, and other accessories included and can attach directly to the SureGrip™ test leads.

Kit Includes:	1 m Long Test Lead with a Safety Shrouded, Right Angle Banana Connector on One End and a Stainless Steel Test Probe on the Other End (Rated up to 10A), Insulated Alligator Clip (Rated up to 5A), Insulated Probe Tip Extender (Rated up to 3A), Modular Test Probe with Banana Connector in the Handle (Rated up to 10A), Modular Hook-Style Clip Test Lead with Banana Connector (Rated up to 5A), Modular Pinch-Style Clip Test Lead with Banana Connector (Rated up to 5A), Modular Alligator Clip with Banana Connector (Rated up to 5A), Slide-On IC Probe Tip Adapter (Rated up to 3A) and Test Lead Couplers, Bare Spade Lug with Banana Connector (Rated up to 10A)

SUREGRIP INDUSTRIAL TEST LEAD KIT

FLUKE
EDMO# TLK-220
MFR# TLK-220



Special value SureGrip Set for industrial applications. Includes two sizes of alligator clips and sharp test probes for reliable connections, test leads, and a roomy carry case to hold and protect your meter and all your accessories. All 1000 V CAT III, 600 V CAT IV rated.

Kit Includes:	AC220 Plunger Style Alligator Clips, AC285 Large Jaw Alligator Clips, TP220 Sharp Test Probes, TL224 Right to Straight Test Leads, Zippered Vinyl Carry Case with Moveable Divider

SUREGRIP MASTER ACCESSORY SET

FLUKE
EDMO# TLK-225
MFR# TLK-225



The Fluke TLK-225 SureGrip™ Master Accessory Set with 13 items is the perfect replacement kit that provides flexibility and comfort with all SureGrip™ leads and probes in a convenient six-pocket, roll-up pouch.

Kit Includes:	TL224 Test Lead Set, TP175 TwistGuard™ Test Probes, AC285 SureGrip™ Alligator Clips, AC220 SureGrip™ Alligator Clips, AC280 SureGrip™ Hook Clips, AC283 SureGrip™ Pincer Clips, A Convenient Six-Pocket Roll Up Pouch

MASTER AERO KIT

SILVERTRONIC LIMITED
EDMO#: 815003
MFR#: 815003



The Avionic Service Case is a comprehensive kit containing avionic-specific test and measure equipment for use in the MRO field. Featuring 73 pieces, including aero-specific test leads, sizes 12 through 22, and BNC coax cable adapters. Protected by a military-grade, shock-resistant, airtight, waterproof tool case. Cable lead lengths are 150 mm/300 mm.

EDMO#	MFR#	QTY	SOCKET/ PIN SIZE	COLOR	DESCRIPTION
4MM SOCKET TO CONNECTOR LEADS					
127080	127080	2	12	Yellow	Aero Lead 4 mm Socket to Male
127076	127076	2	12	Yellow	Aero Lead 4 mm Socket to Female
127081	127081	2	16	Blue	Aero Lead 4 mm Socket to Male
127077	127077	2	16	Blue	Aero Lead 4 mm Socket to Female
127082	127082	2	20	Red	Aero Lead 4 mm Socket to Male
127078	127078	2	20	Red	Aero Lead 4 mm Socket to Female
127079	127079	2	22	Green	Aero Lead 4 mm Socket to Female
127083	127083	2	22	Green	Aero Lead 4 mm Socket to Male
CONNECTOR TO CONNECTOR LEADS					
-	127072	2	12	Yellow	Aero Lead Male to Male
-	127068	2	12	Yellow	Aero Lead Female to Female
-	127073	2	16	Blue	Aero Lead Male to Male
-	127069	2	16	Blue	Aero Lead Female to Female
-	127074	2	20	Red	Aero Lead Male to Male
-	127070	2	20	Red	Aero Lead Female to Female
-	127075	2	22	Green	Aero Lead Male to Male
-	127071	2	22	Green	Aero Lead Female to Female

**Connectors with EDMO numbers are available individually*

MFR#	QTY	DESCRIPTION
127084	2	Aero Lead GTA Male to Male Black
127085	2	Aero Lead GTA 4mm Socket to Male Black
127086	2	Aero Lead GTA Female to Female Black
127087	2	Aero Lead GTA 4mm Socket to Female Black
119503QDF/B	1	Pouch Black
119503QDF/W	1	Pouch White
119503QDF/G	1	Pouch Green
119503QDF/R	1	Pouch Red

MFR#	QTY	DESCRIPTION
119503QDF/BL	1	Pouch Blue
119503QDF/Y	1	Pouch Yellow
825009	1	Volt Stick
116333	1	BNC Male to Double Stacking Banana Plug
116332	1	BNC Female to Double Stacking Banana Plug
116334	1	BNC Male to Double Stacking Binding Post Jacks
116335	1	BNC Female to Double Stacking Binding Post Jacks
124044/B	1	4mm to 4mm Safety Plug Adapter Black
124044/R	1	4mm to 4mm Safety Plug Adapter Red
125099/R	1	4mm to 4mm Coupler Red
125099/B	1	4mm to 4mm Coupler Black
121039/R	1	Thin Spike Prod Red
121039/B	1	Thin Spike Prod Black
116338	1	TNC Male to BNC Female Adapter
116337	1	BNC Male to Male adapter
116336	1	BNC Female to Female adapter
126017/R	1	Small Crocodile Clip, 300V Red
126017/B	1	Small Crocodile Clip, 300V Black
123680/ORSK/1.2/B	1	Test Lead, Right Angle to Stackable, 1.2m. Black
123680/ORSK/1.2/R	1	Test Lead, Right Angle to Stackable, 1.2m. Red
123680/OFOR/1.2/B	1	Test Lead, Right Angle to Straight, 1.2m. Black
123680/OFOR/1.2/R	1	Test Lead, Right Angle to Straight, 1.2m. Red
134390/6M/R	1	Cordpro, 6m, Straight to Right Angle Plug, Red
134390/6M/B	1	Cordpro, 6m, Straight to Right Angle Plug, Black
121348/R	1	OEM Lantern Prod, Red
121348/B	1	OEM Lantern Prod, Black
121026/R	1	Sprung Hook, Red
121026/B	1	Sprung Hook, Black
116340	1	BNC to Coax Patch Cable, High Flex

AVIONIC 30 ELECTRICAL TEST LEAD SET

SILVERTRONIC LIMITED
EDMO# 905312
MFR# 905312



The avionic connector test lead service kit features unique avionic test leads that are designed to interconnect your avionic connections and your 4 mm test lead accessories used in your electrical service and maintenance tasks. The cable insulation is single-skinned silicone to guarantee the highest flexibility. Cable lead length is 50 mm.

MFR#	QTY	SOCKET/ PIN SIZE	COLOR	DESCRIPTION
4MM SOCKET TO CONNECTOR LEADS				
127076/50mm	1	12	Yellow	Aero Lead 4mm Socket to Female
127080/50mm	1	12	Yellow	Aero Lead 4mm Socket to Male
127077/50mm	1	16	Blue	Aero Lead 4mm Socket to Female
127081/50mm	1	16	Blue	Aero Lead 4mm Socket to Male
127078/50mm	1	20	Red	Aero Lead 4mm Socket to Female
127082/50mm	1	20	Red	Aero Lead 4mm Socket to Male
127079/50mm	1	22	Green	Aero Lead 4mm Socket to Female
127083/50mm	1	22	Green	Aero Lead 4mm Socket to Male

MFR#	QTY	DESCRIPTION
126017/B	1	Small Full Safety Insulated Crocodile Clip Black
126017/R	1	Small Full Safety Insulated Crocodile Clip Red

MFR#	QTY	DESCRIPTION
A/123680/OF-OR/1.2/B	1	Cable Assembly Straight to Right Angle Black
A/123680/OF-OR/1.2/R	1	Cable Assembly Straight to Right Angle Red
119519	1	Pocket Storage Pouch

AVIONIC CONNECTOR & JUMPER LEAD KIT

SILVERTRONIC LIMITED
EDMO#: 905315
MFR#: 905315



The avionic text lead connector and jumper lead kit Ideal for connecting to small conductors and test points. These unique jumper leads are designed for making avionic connections during electrical service and maintenance tasks. The cable insulation is single-skinned silicone to guarantee the highest flexibility. Cable lead lengths are 50mm/150mm. See kit contents below.

MFR#	QTY	SOCKET / PIN SIZE	COLOR	DESCRIPTION
4MM SOCKET TO CONNECTOR LEADS				
127076/50mm	1	12	Yellow	Aero Lead 4mm Socket to Female
127080/50mm	1	12	Yellow	Aero Lead 4mm Socket to Male
127077/50mm	1	16	Blue	Aero Lead 4mm Socket to Female
127081/50mm	1	16	Blue	Aero Lead 4mm Socket to Male
127078/50mm	1	20	Red	Aero Lead 4mm Socket to Female
127082/50mm	1	20	Red	Aero Lead 4mm Socket to Male
127079/50mm	1	22	Green	Aero Lead 4mm Socket to Female
127083/50mm	1	22	Green	Aero Lead 4mm Socket to Male
CONNECTOR TO CONNECTOR LEADS				
127072	2	12	Yellow	Aero Lead Male to Male
127068	2	12	Yellow	Aero Lead Female to Female
127073	2	16	Blue	Aero Lead Male to Male
127069	2	16	Blue	Aero Lead Female to Female
127074	2	20	Red	Aero Lead Male to Male
127070	2	20	Red	Aero Lead Female to Female
127075	2	22	Green	Aero Lead Male to Male
127071	2	22	Green	Aero Lead Female to Female

MFR#	QTY	DESCRIPTION
125072/B	1	Sharp Stainless Steel Spike Prod Black
125072/R	1	Sharp Stainless Steel Spike Prod Red
126017/B	1	Small Full Safety Insulated Crocodile Clip Black
126017/R	1	Small Full Safety Insulated Crocodile Clip Red
A/123680/OF-OR/1.2/B	1	Cable Assembly Straight to Right Angle Black
A/123680/OF-OR/1.2/R	1	Cable Assembly Straight to Right Angle Red
119519	1	Pocket Storage Pouch

AVIONICS ELECTRICAL TEST ACCESSORIES

SILVERTRONIC LIMITED

EDMO#	MFR#	DESCRIPTION
TEST LEADS		
127056	127056	Test Lead Socket Size 20, Female, Green, Length: 300 mm
127057	127057	Test Lead Socket Size 22, Female, Blue, Length: 300 mm
127076	127076	Test Lead Socket Size 12, Female, Yellow, Length: 300 mm

EDMO#	MFR#	DESCRIPTION
127077	127077	Test Lead Socket Size 16, Female, Blue, Length: 300 mm
127078	127078	Test Lead Socket Size 20, Female, Red, Length: 300 mm
127079	127079	Test Lead Socket Size 22, Female, Green, Length: 300 mm
127080	127080	Test Lead Pin Size 12, Male, Yellow, Length: 300 mm
127081	127081	Test Lead Pin Size 16, Male, Blue, Length: 300 mm
127082	127082	Test Lead Pin Size 20, Male, Red, Length: 300 mm
127083	127083	Test Lead Pin Size 22, Male, Green, Length: 300 mm
JUMPER LEADS		
127048	127048	Jumper Lead Socket Size 20, Female to Female, Green, Length: 150 mm
127051	127051	Jumper Lead Socket Size 16, Male to Male, Red, Length: 150 mm
127068	127068	Jumper Lead Socket Size 12, Female to Female, Yellow, Length: 150 mm
127069	127069	Jumper Lead Socket Size 16, Female to Female, Blue, Length: 150 mm
127070	127070	Jumper Lead Socket Size 20, Female to Female, Red, Length: 150 mm
127071	127071	Jumper Lead Socket Size 22, Female to Female, Green, Length: 150 mm
127072	127072	Jumper Lead Pin Size 12, Male to Male, Yellow, Length: 150 mm
127073	127073	Jumper Lead Pin Size 16, Male to Male, Blue, Length: 150 mm
127074	127074	Jumper Lead Pin Size 20, Male to Male, Red, Length: 150 mm
127075	127075	Jumper Lead Pin Size 22, Male to Male, Green, Length: 150 mm
REPLACEMENT PINS		
134323	134323	Replacement Pins/Mini/1 Pair 22AWG
134324	134324	Replacement Pins/Small/1 Pair 20AWG
134325	134325	Replacement Pins/Medium/1 Pair 16AWG
CABLE REEL		
134328/B	134328/B	Cable Reel 40ft Extension/Black
134328/R	134328/R	Cable Reel 40ft Extension/red

MULTI-PIN CONNECTOR KIT

SILVERTRONIC LIMITED



905272

The Multi-Pin Connector Kit enables technicians to safely and reliably test connector-terminated circuits.

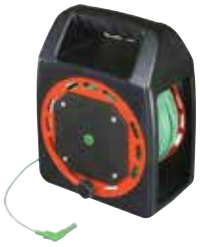
Kit Includes:

- Large alligator clip green
- Multi-pin assortment
- Cable assembly straight to right angle black
- Cable assembly straight to right angle red
- Cable assembly straight to right angle green

EDMO#	MFR#	DESCRIPTION
905272	905272	Multi-pin Connector Kit with Pouch
129439	129439	Multi-pin Connector Kit with Hard Case and Extension Bars

50 METER TEST LEAD REEL

SILVERTRONIC LIMITED
EDMO# TLR50M
MFR# TLR50M/G



This robust, purpose-made cable reel contains 50 meters of high-quality, double-insulated silicone cable. The reel incorporates a 4mm socket, and the cable is terminated in a 4mm right-angle plug.

AVIONICS PIN TEST KIT

EDMO#: PIN-TS KIT



The Avionics Pin Test Kit is ideal for safely and quickly testing electrical contacts.

Kit Includes:

- One red and one black double-insulated silicone test lead: each lead is terminated on one end with a right-angle 4 mm plug compatible with all standard 4 mm instrument sockets; the other end of the test lead is terminated with a unique screw-in pin socket
- Two sets of 4 screw-in pins; each pin has both a male and female contact
- One green double insulated lead with a detachable large green crocodile clip
- Packed in a durable Pelican 1060 hard pack case with custom-cut foam

POWER SUPPLY

VLS SERIES POWER SUPPLIES

ASTRON CORPORATION



VLS-10M

The VLS series features separate volt and amp meters, adjustable output voltage from 5–32 volts, and adjustable current limit from 1.5 amps to full load.

- Solid-state electronically regulated
- Fold-back current limiting protects power supply from excessive current & continuous shorted output
- Crowbar overvoltage protection on all models
- Maintain regulation & low ripple at low line input voltage
- Heavy-duty heat sink
- Chassis mount fuse
- Three-conductor power cord

EDMO#	MFR#	POWER SUPPLY	SIZE
VLS-10M	VLS-10M	10A, 5-32V, 115 VAC	9 x 10.5 x 5 in
VLS10M/220	VLS-10M-220V	10A, 5-32V, 220 VAC	9 x 10.5 x 5 in
VLS-25M	VLS-25M	25A, 5-32V, 115 VAC	13.75 x 11 x 6 in
VLS-35M	VLS-35M	35A, 5-32V, 115 VAC	13.75 x 12.125 x 6 in
LS SERIES POWER SUPPLIES NON-ADJUSTABLE, WITH METERS			
LS-18A	LS-18A	12A, 28V, 115 VAC	11 x 11 x 5 in
LS-35M	LS-35M	35A, 28V, 115 VAC	13.75 x 12.125 x 6 in
SL SERIES POWER SUPPLIES – LOW PROFILE, NON-ADJUSTABLE, WITHOUT METERS FOR USE WITH A110B, F11020, & F2020			
SL-11IF	SL-11IF	11A, 13.8V, 115 VAC	7 x 9.75 x 5.25 in
SL-11IF220	SL-11IF/220	11A, 13.8V, 220 VAC	7 x 9.75 x 5.25 in
ACCESSORIES			
GMC-3A	GMC-3A	3A Fuse | SL-11IF	
GMC-10A	GMC-10A	10A Slo-Blo Fuse | VLS-25M & VLS-50M	

SWITCHING DC POWER SUPPLY

EXTECH
EDMO# 382275
MFR# 382275



The Extech Model 382275 is a single-output, laboratory-grade switching DC power supply featuring dual-action rotary encoders that allow for both coarse and fine-tuning adjustment for precise control over voltage and current level output. This precision DC power supply has four operating modes: normal mode, preset mode, set mode, and remote-control mode.

- Normal mode allows users to control the unit with the front panel knobs
- Preset mode provides popular output presets: 20 amps, 5 volts, 13.8 volts, and 25 volts
- Remote mode allows users to remotely adjust output power voltage, current, and on/off settings
- Two user-defined voltage and current presets and one 13.8V/20A factory preset
- Automatic Constant Current crossover
- High RFI immunity and excellent EMI
- Overload, over-temperature, and short circuit protection

Weight:	5.7 lb (2.6 kg)
Dimensions:	7.9 x 3.5 x 8.5 in (200 x 90 x 215 mm)
Frequency:	75–95 Hz
Input Voltage:	100–120 VAC / 50/60 Hz
Rated Load Input Current:	5.9A
Fuses:	8A/250V time delay, glass 5x20mm
Efficiency:	87% at optimum load
Cooling Method:	Thermostatic controlled fan
Transient Response Time:	1.5 ms (50%–100% load)
Power Factor Control:	>0.95% at optimum load
Main Power Supply Fluctuation:	±10% of the nominal voltage
Approvals:	CE EMC: EN 55011, 55022 LVD: 60950, 61010

COAX ADAPTER KITS

UNIVERSAL COAXIAL ADAPTER KIT

CAL TEST ELECTRONICS INC
EDMO# CT-2701A
MFR# CT-2701A



30-piece coaxial adapter kit with nickel-plated adapter bodies. 50 Ω impedance.
See kit contents below.

QTY	TYPE
6	Universal
2	BNC Male
2	BNC Female
1	F Male
1	F Female
2	N Male

QTY	TYPE
2	N Female
1	RCA Male
1	RCA Female
1	SM Male
1	SMA Female
2	TNC Male

QTY	TYPE
2	TNC Female
2	UHF Male
2	UHF Female
1	Mini UHF Male
1	Mini UHF Female

COAXIAL ADAPTER KIT

TEST PRODUCTS INTERNATIONAL
EDMO# TPI-3000A
MFR# TPI-3000A



TPI-3000A Universal Cables & Connector Kit. Technicians and engineers turn to TPI for their connecting needs. Includes 8 types of connectors for male and female adapters. Simply screw on any combination of 24 connectors to any of the six universal interfaces with no soldering or crimping needed. Reusable connectors can be used over and over in different combinations to fit and assist customizing the installation. See kit contents below.

- Works with universal cables GEX-60 (36"), GEX-48 (48"), and GEX-75 (72")
- Connector bodies are silver-plated machine brass with PTFE insulation
- Zippered soft case protects and organizes the individual pieces

EDMO#	MFR#	QTY	CONNECTION TYPE
TPI-3001	TPI-3001	6	Universal Interface
TPI-3002	TPI-3002	2	BNC Male
TPI-3003	TPI-3003	2	BNC Female
TPI-3006	TPI-3006	2	N Male
TPI-3007	TPI-3007	2	N Female
TPI-3008	TPI-3008	2	SMA Male
TPI-3009	TPI-3009	2	SMA Female
TPI-3010	TPI-3010	2	TNC Male
TPI-3011	TPI-3011	2	TNC Female
TPI-3012	TPI-3012	2	UHF Male
-	TPI-3013	2	UHF Female
-	TPI-3014	2	Mini UHF Male
-	TPI-3015	2	Mini UHF Female

**Connectors with EDMO numbers are available individually*

UNIVERSAL COAX ADAPTER KIT

POMONA
EDMO# 5748
MFR# 5748



Kit allows you to make your own adapter combinations, such as SMA to BNC or BNC to double banana plugs. Adapter ends are joined with coupling nuts. Simply choose your combination. All connectors feature gold-plated phosphor bronze center contacts, a dielectric Teflon shell, and silver-plated brass bodies. See kit contents below.

MFR#	CONNECTOR TYPE
5734	"N" Male
5735	BNC Male
5736	TNC Male
5737	SMA Male

MFR#	CONNECTOR TYPE
5744	Double Binding Post
5752	UHF Male
5756	UHF Female
5753	Mini UHF Male

MFR#	CONNECTOR TYPE
5738	"N" Female
5739	BNC Female
5740	TNC Female
5741	SMA Female
5742	Coupler
5743	Double Banana Plug

MFR#	CONNECTOR TYPE
5757	Mini UHF Female
5754	RCA Male
5758	RCA Female
5759	"F" Male
5755	"F" Female
5760	Signal Sampler

BNC/N ADAPTER KIT

CAL TEST ELECTRONICS INC
EDMO# CT-2702
MFR# CT-2702



12-piece BNC and N coaxial adapter kit with both in-series and between-series adapters. 50 Ω impedance. One of each adapter style included. See kit contents below.

TYPE	SHAPE
BNC Female-Male-Female	Tee
N Female-Female	Straight
N Male-Male	Straight
N Female-Male-Female	Tee
N Female-female-Female	Tee
BNC Female-N Male	Straight

TYPE	SHAPE
BNC Male-N Female	Straight
BNC Female-Female	Straight
BNC Male-Male	Straight
BNC Female-N Female	Straight
BNC Female-Female-Female	Tee
N Male-Female	Right angle

RF LOAD CONNECTOR

PASTERNACK ENTERPRISES



PE6156A

RF Load Connectors are indispensable components in many RF, microwave, and millimeter wave systems where signal reflection from unused ports can potentially damage the device or reduce the signal integrity. By terminating an unused port with a matched load, the incident energy will be absorbed with minimal reflection. These termination components are commonly used to terminate devices such as couplers, circulators, and switches. They are also widely used in measurement systems to ensure accurate results.

- Works with universal cables GEX-60 (36"), GEX-48 (48"), and GEX-75 (72")
- Connector bodies are silver-plated machine brass with PTFE insulation
- Zippered soft case protects and organizes the individual pieces

EDMO#	MFR#	CONNECTOR	FREQUENCY	INPUT POWER
PE6034	PE6034	BNC Male	DC to 4 GHz	10 W
PE6156A	PE6156A	BNC Male	DC to 4 GHz	2 W
PE6172	PE6172	TNC Male	DC to 6 GHz	2 W

Not finding what you need?

Did you know that EDMO has a large inventory of test equipment? If you don't see what you need here, it's likely we have it, or can order it in for you. As always, give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

GROUND SUPPORT EQUIPMENT

LOCKNCLIMB SAFETY LADDERS

LOCK-N-CLIMB


5MINIPYLON


6FBMINI


8HELICADET


8HELIPYLON


4LNCAFRAME


10COWL-135

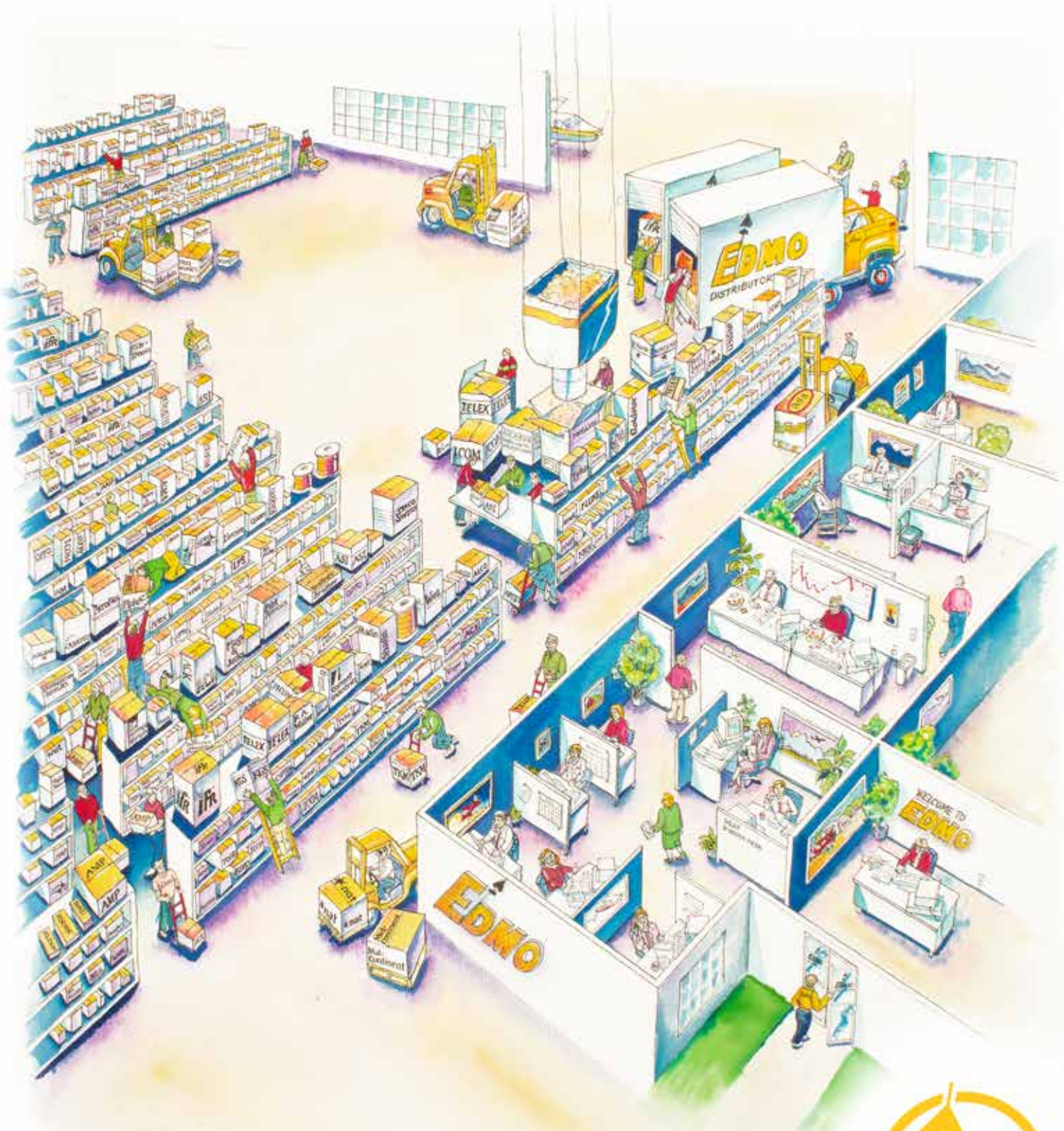

LNCEELITE2

The LockNClimb Ladder Safety System offers aircraft maintenance technicians a safe and secure platform for reaching the service points around corporate and commercial aircraft and helicopters. This safety ladder system is ideal for maintenance tasks such as inserting & removing GPU cables, serving components inside the wheel well area, checking static discharge ports and inspection panels, and in other places during routine inspections. The design of these ladders has been optimized to place a technician in the optimum location of the aircraft, specific to the task at hand, to provide a safe and secure work environment for preventing accidents and injuries. LockNClimb ladders meet OSHA and ANSI standards and are equipped with extra-wide comfort treads and feature a patented 6061-grade aluminum base.

- OSHA-rated 300-lb special duty ladders
- Meets or exceeds ANSI 14.2 specifications
- Free-standing aluminum ladders
- Extra-wide Lock-N-Stand comfort treads
- Rubber bumpers protect ladders from accidental drops
- Designed to allow close-up working access
- Replaceable commercial-grade wheels, brass feet, or rubber feet and top caps

EDMO#	MFR#	LADDER TYPE	HEIGHT
3AFMIDBAY	3LNCAFMIDBAY	Dual Sided A-Frame with Protective Bumpers, Safety Handrails, and Extended Steps	3 ft
3LNCB737WW	3LNCB737WW	Wheel Well Stand	3 ft
4FBMINI	4FBMINIDUAL	Fiberglass Mini Dual	4 ft
4FBMINI-B	4FBMINIDUAL-B	Fiberglass Mini Dual with Protective Bumpers	4 ft
4LNCAFRAME	4LNCAFRAME	A-Frame	4 ft
4MINIPYLON	4MINIPYLON	Pylon	4 ft
5FBMINI	5FBMINIDUAL	Fiberglass Mini Dual	5 ft
5MINIDUALB	5FBMINIDUAL-B	Fiberglass Mini Dual with Protective Bumpers	5 ft
5MINIPYLON	5MINIPYLON	Pylon	5 ft
6FBMINI	6FBMINIDUAL	Fiberglass Mini Dual	6 ft
6FBMINI-B	6FBMINIDUAL-B	Fiberglass Mini Dual with Protective Bumpers	6 ft
6HELIPYLON	6HELIPYLON	Helipylon	6 ft
6LNCAFRAME	6LNCAFRAME	A-Frame	6 ft
6LNCPYLON	6LNCPYLON	Pylon	6 ft
7HELIPYLON	7HELIPYLON	Helipylon with Safety Handrails	7 ft
7LNCAFRAME	7LNCAFRAME	A-Frame	7 ft
7LNCENGPLT	7LNCENGPLT	Engine Platform	7 ft
7LNCPYLON	7LNCPYLON	Pylon	7 ft
7PYLONACC	7LNCPYLONACC	Pylon with Step Through Access and Safety Handrails	7 ft
8HELICADET	8HELICADET	Heli Cadet	8 ft
8HELIPYLON	8HELIPYLON	Helipylon with Safety Handrails	8 ft
8LNCAFRAME	8LNCAFRAME	A-Frame	8 ft
8LNCPYLON	8LNCPYLON	Pylon	8 ft
9COWLPYLON	9COWLPYLON	Cowl Pylon	9 ft
9HELIPYLON	9HELIPYLON	Helipylon with Safety Handrails	9 ft
9LNCAF48	9LNCAF48SEC737	Dual Sided A-Frame with Protective Bumpers, Safety Handrails, and Extended Steps	9 ft
9LNCPYLON	9LNCPYLON	Pylon	9 ft
10COWL-135	10COWLPYLON135	Cowl Pylon	10 ft
10COWL-MAX	10COWLPYLON737MAX	Cowl Pylon	10 ft
10HELCADET	10HELICADET	Heli Cadet	10 ft
10HELIPYLO	10HELIPYLON	Helipylon	10 ft
10LNCPYLON	10LNCPYLON	Pylon	10 ft
10PYLONACC	10LNCPYLONACC	Pylon with Step Through Access and Safety Handrails	10 ft
10WWCADET	10WWCADET	Wheel Well Cadet	10 ft
11LNCPYLON	11LNCPYLON	Pylon	11 ft
12COWLPYLO	12COWLPYLON	Cowl Pylon	12 ft
12LNCPYLON	12LNCPYLON	Pylon	12 ft
12PYLONACC	12LNCPYLONACC	Pylon with Step Through Access and Safety Handrails	12 ft
12WWCADET	12WWCADET	Wheel Well Cadet	12 ft
13COWLPYLO	13COWLPYLON	Cowl Pylon	13 ft
13LNCPYLON	13LNCPYLON	Pylon	13 ft
13PYLONWS	13LNCPYLONWS	Pylon with Windscreen Access, Safety Handrails, and Tool Tray	13 ft
13WWCADET	13WWCADET	Wheel Well Cadet	13 ft
14COWLPYLO	14COWLPYLON	Cowl Pylon	14 ft
14LNCPYLON	14LNCPYLON	Pylon	14 ft
15COWLPYLO	15COWLPYLON	Cowl Pylon	15 ft
15LNCPYLON	15LNCPYLON	Pylon with Safety Handrails	15 ft
15PYLONACC	15LNCPYLONACC	Pylon with Step Through Access and Safety Handrails	15 ft
15WWCADET	15WWCADET	Wheel Well Cadet	15 ft
18COWLPYLO	18COWLPYLON	Cowl Pylon	18 ft
44LNCEPLT	44LNCENGPLT	Engine Platform with Safety Handrails and Caster Covers	44 in
46LNCPLT	46LNCPLT	Engine Platform with Caster Covers	46 in
65LNCWWPLT	65LNCWWPLT	Wheel Well Safety Ladder with Platform	65 in
LNCEELITE	LNCEELITE	E&E Extendable Ladder	7.5 ft to 9.5 ft
LNCEELITE2	LNCEELITE2	E&E Extendable Ladder	9.5 ft to 12.75 ft
LNCEELITE3	LNCEELITE3	E&E Extendable Ladder	12.75 ft to 15.75 ft
ACCESSORIES			
78HRAIL	78HRAIL	Safety Handrails for 10LNCPYLON and 12LNCPYLON	
CUSTOM TAG	CUSTOM TAG	Custom Tag for Lock-N-Climb Ladders	
LNCWHEELSM	LNCWHEELSM	Additional Set of 4-inch Wheels	
LNCWHEELLG	LNCWHEELLG	Additional Set of 5-inch Wheels	
TOOL TRAY	TOOL TRAY	Tool Tray Attachment	

Call for additional options



EDMO

FLASHBACK

Auxiliary Power Units & Battery Chargers

Electrical Power Units 230
Ground Power Units 232
Auxiliary Power Units 234
Battery Chargers 236

ELECTRICAL POWER UNITS

TB17 ADVANCED LITHIUM-ION BATTERY

TRUE BLUE POWER



Ideal for the piston, turbine, and emergency power market, the TB17 Advanced Lithium-ion Battery starts the aircraft's engine quickly and features superior energy density—NanoPhosphate® lithium-ion cells offer 3x the energy per kilogram, resulting in a battery that is 45% lighter than lead-acid or nickel-cadmium alternatives.

- 17 amp-hour battery nominal at 23°C
- 45% lighter than lead-acid or nickel-cadmium alternatives
- Advanced NanoPhosphate® lithium-ion cell chemistry—3X the energy per kilogram when compared to lead-acid and nickel-cadmium cells
- 7 engine starts in 7 minutes
- 30 minutes (at 34 amps) for complete recharge when the battery is fully discharged
- Automatic internal heater
- Superior performance at extreme temperatures
- Overcharge, over-discharge, over-current, short circuit, over-temperature, under-temperature and charge current limiting protection
- Communicates battery status to the cockpit
- Higher voltage during engine start—Less wear, less maintenance, and increased useful life
- 2-year maintenance interval—50% to 90% savings on maintenance costs
- 8 years (average) useful life
- FAA TSO certified

Weight:	16 lb (7.26 kg)
Dimensions:	7.22 x 7.37 x 6.01 in (183.4 x 187.2 x 152.7 mm)
Case:	Anodized aluminum, blue
Capacity:	17 amp-hour, nominal @ 23°C
Charge Voltage:	28 VDC, nominal
Output Voltage:	26.4 VDC, nominal
Output Current:	500A continuous, 840A max
Technology:	Advanced Nanophosphate Lithium-ion cell
Configuration:	7P3S; 7 parallel cells x 8 series modules
Temperature range:	Operating: -40°C to 70°C (-40°F to 158°F)
Protection:	Overcharge, over-discharge, over-current, short circuit, over-temperature, under-temperature protection with automatic built-in heater and over-temperature protection monitor circuit
Certifications:	FAA TSO certified to C179a ETSO certified to C179a RTCA DO-311 qualified RTCA DO-160G qualified UNDOT/IATA qualified

EDMO#	MFR#	DESCRIPTION
6430017-1	6430017-1	TB17 li-ion battery, TSO
6430017-2	6430017-2	TB17 li-ion battery, Heater On/Off, TSO
6430017-3	6430017-3	TB17 li-ion battery, TSO, Quick Disconnect Kit
6430017-4	6430017-4	TB17 li-ion battery, TSO, Heater On/Off, Quick Disconnect Kit

TB SERIES ADVANCED LITHIUM-ION BATTERIES

TRUE BLUE POWER



The TB series Advanced NanoPhosphate® Lithium-ion aircraft batteries are configurable to meet the needs of each specific aircraft, including charge current limit, end-of-life capacity, minimum dispatch capacity, and engine-start readiness. The intelligent battery systems communicate a real-time, reliable, and accurate state of charge and state of health. The TB series batteries weigh up to 60% less and deliver more amps per pound than any other battery. This translates into more power for engine starts, more energy for emergency and backup power, ultra-fast recharge, and much longer life.

- Advanced NanoPhosphate® lithium-ion cell chemistry
- Superior performance at extreme temperatures (-40°C to 70°C)
- Overcharge, over-discharge, over-current, short circuit, over-temperature, under-temperature and charge current limiting protection
- Built-in Test (BIT) Indicator communicates real-time state-of-charge and state-of-health
- Charge voltage: 28 VDC nominal
- Output voltage: 26.4 VDC nominal

TB20 BATTERY SPECS	
Weight:	20 lb
Dimensions:	9.1 x 8.6 x 8.8 in
Capacity:	20 amp-hour battery at 23°C, nominal
Output Current:	560A continuous, 960A max
Configuration:	8P8S; 4 parallel x 8 in series x 2

TB30 BATTERY SPECS	
Weight:	28.5 lb
Dimensions:	12.5 x 8.6 x 8.8 in
Capacity:	30 amp-hour battery @ 23°C, nominal
Output Current:	840A continuous, 1440A max
Configuration:	12P8S; 4 parallel x 8 in series x 3

TB40 BATTERY SPECS	
Weight:	38.5 lb
Dimensions:	9.1 x 14.7 x 8.8 in
Capacity:	40 amp-hour battery @ 23°C, nominal
Output Current:	1120A continuous, 1500A max
Configuration:	16P8S; 4 parallel x 8 in series x 4

TB50 BATTERY SPECS	
Weight:	43.9 lb
Dimensions:	10.0 x 9.6 x 10.1 in
Capacity:	50 amp-hour nominal @ 23°C, nominal
Output Current:	460A continuous, 1500A max
Configuration:	21P8S; 7 parallel x 8 in series x 3

TB60 BATTERY SPECS	
Weight:	52.9 lb
Dimensions:	12.5 x 14.4 x 8.9 in
Capacity:	60 amp-hour battery @ 23°C, nominal
Output Current:	425A continuous, 1500A max
Configuration:	24P8S; 4 parallel x 8 in series x 6

EDMO#	MFR#	VERSION	CAPACITY
6430020-1	6430020-1	TB20	20-amp hour
6430030-1	6430030-1	TB30	30-amp hour
6430040-1	6430040-1	TB40	40-amp hour
6430050-1	6430050-1	TB50	50-amp hour
6431060-1	6431060-1	TB60	60-amp hour
ACCESSORIES			
9018042-1	9018042-1	TB40/30/20 Connector Kit	
9019322-1	9019322-1	Vent Kit for TB20	

TB44 ADVANCED LITHIUM-ION BATTERY

TRUE BLUE POWER



The TB44 Advanced Lithium-ion Battery is engineered to deliver 40% savings in weight and an overall lower cost of ownership, by 50 – 90% less scheduled maintenance cost, 2-year maintenance intervals, efficient engine starts and 2x – 3x longer useful battery life. The TB44 is ideal for the turbine market, including fixed-wing, rotorcraft, and emergency power applications.

- Advanced NanoPhosphate® lithium-ion cell chemistry—3x the energy per kilogram when compared to lead-acid and nickel-cadmium cells
- 7 engine starts in 7 minutes
- 15 minutes for complete recharge when the battery is fully discharged
- Superior performance at extremely high temperatures
- Automatic internal heater
- Overcharge, over-discharge, over-current, short circuit, over-temperature, under-temperature, and charge current limiting protection
- Communicates ARINC 429 data to the cockpit
- Anodized aluminum blue case
- 8 years (average) service life

Weight:	51.7 lb
Dimensions:	10.87 x 10.48 x 10.14 in
Capacity:	46 amp-hour @ 23°C, nominal
Charge Voltage:	28 VDC, nominal
Output Voltage:	26.4 VDC
Output Current:	750A continuous, 1500A max
Configuration:	8S19P; 1 parallel x 8 in series x 19
Temperature range:	Operating: -40°C to 70°C (-40°F to 158°F)
Certifications	FAA TSO & ETSO certified to C179a RTCA DO-311 & DO-160G qualified UNDOT/IATA qualified

EDMO#	MFR#	DESCRIPTION
6430044-2	6430044-2	For Finnoff Pilatus PC-12, STC
6430044-4	6430044-4	For Blackhawk, STC

PORTABLE POWER SUPPLY UNITS

START PAC

The Start Pac® portable power supplies are designed to power up an aircraft's electrical system for GPS programming and light-duty electrical maintenance, preserving the onboard battery for starting.

- Ideal for aircraft with glass cockpits
- Continuous-duty fan-cooled
- Overcurrent, overvoltage, and overtemperature protection
- Not intended for engine starting or battery charging

MODEL 53025 - 24V



The Start Pac® Portable Power Supply provides a 24 VDC output ideal for powering up aircraft cockpits for GPS programming and other aircraft systems for maintenance tasks.

Weight:	7 lb
Dimensions:	11.75 x 5 x 4 in
AC input:	100—220 V, 7A
DC output:	28.5 VDC @ 25 Amp

MODEL 53050 - 50 AMP



The Start Pac® Model 53050 portable power supply provides 28.5 VDC of continuous power when plugged into a 110/220 volt, single-phase AC power source. This unit delivers a full 50 amp DC output for powering up GPS systems and avionics for maintenance tasks.

Weight:	10 lb
Dimensions:	14 x 5.25 x 5.5 in
AC input:	90—240 V, universal
DC output:	28.5 VDC no duty cycle

MODEL 53105 POWER SUPPLY UNIT

Start Pac® Model 53105 supplies continuous 28.5 VDC power when plugged into a 220 volt, single-phase AC power source. This unit delivers 105 Amp DC output that is ideal for maintenance purposes and powering up various systems, including inverters, avionics, and GPS units for programming.



Weight:	18 lb
Dimensions:	14.5 x 7 x 13.75 in
AC input:	190—240 V
DC output:	105 Amp ± 5%

EDMO#	MFR#	DESCRIPTION
25 AMP		
53025/24	53025/24V	28.5 VDC / 25 amp, Output
50 AMP		
53050/12	53050(12V)	Input 14.2 VDC / 50 amp, Output for 12V aircraft
53050/24	53050	Input 28.5 VDC / 50 amp, Output for 24V aircraft
105 AMP		
53105	53105M	28.5 VDC / 105 amp Output, 8 ft Cable
53105R	53105	28.5 VDC / 105 amp Output, 50 ft Cable
ACCESSORIES		
QC TROLLEY	TROLLEY	Start Pac QC Trolley used for Start Pac Models 1324-2QC, 1628QC, 2300QC, 53300, Li2700QC, Li2800QC or the 6028QC. 10 inch pneumatic tires w/ ball bearings.



GROUND POWER UNITS

SMARTGPU GROUND POWER UNIT

WHITE LIGHTNING GPU



S28054

The SmartGPU is a specialized switching-mode power supply designed to provide pilots and aviation maintenance professionals with a portable, affordable source of stable, high-current, noise-free DC power that replicates the in-flight electrical environment. Its rated output is 28-volts up to 54-amps or 114-amps. The GPU's intended purpose is to energize an aircraft's main electrical bus without using the ship's battery or engine. It will safely provide continuous power for the most delicate electronics and airframe systems up to its full rated output. The SmartGPU mobile app allows the user to monitor the power draw from the flight deck or anywhere in the hanger.

The SmartGPU provides 28-volt DC power for avionics demonstration and testing, database and firmware updates, flight planning and cockpit procedures training, troubleshooting and maintenance, and powered pre-flight inspections and battery top-off charging

- Program and customize settings on your smartphone using Bluetooth.
- Use to preserve battery start capacity during pre-flight inspection, ensuring a cool start every time.
- Reliable, consistent power for avionics updates, flight planning, avionics training, and cabin ventilation.
- Use for aircraft maintenance and troubleshooting.
- Color-coded, keyed output connection to prevent accidental voltage mismatch. RED designates 24/28 volt compatibility.
- Digital output meter shows voltage and amperage (load).
- Programmable auto-shutdown timer.
- Dual USB power ports for mobile device charging, and software updates.
- QuietFiltered™ output for interference-free COM radio operation.
- Auto protection/recovery from short circuit, reverse polarity, over voltage/load/temperature.
- With Wi-Fi connectivity, remotely monitor battery condition in real time.
- Maintain optimum battery condition with continuous maintenance charging.
- Ability to create multiple aircraft and operator profiles complete with event logging, such as power loss/restore, charge modes and battery tests.
- Remotely monitor hanger temperature with customizable trigger text alert notification, allowing the aircraft owner to be alerted to changes in the hanger environment.

Carry Weight: (with AC Input and Aircraft Output Cable)	S28054: 25 lb S28114: 20 lb
Dimensions:	22 x 11 x 16 in
Chassis Dimensions:	7.88 x 5.38 x 18.63 in (Including Handle and Feet)
Input Voltage:	Universal 90–264 VAC, 47-63 Hz
Input Current:	18.7A @ 115 VAC, 17A @ 230 VAC
Input Protection:	20A Circuit Breaker, Cycle ON/OFF to Reset
Output Voltage:	S28054: 28.3 VDC S28114: 28.5 VDC
Output Current:	S28054: 54 A S28114: 114 A
Input Cable:	115 VAC: 10 ft Line Cord with Ground, Rated for 20A 230 VAC: 3 ft, 50 ft 12 Gauge Extension Cord (L6-20R to L6-20P) with AC Connection Pigtail (L6-20R)
Output Cable (28 VDC):	8 ft, 4 AWG, SB120 to 3-pin Oval AN2551 (NATO) Plug

EDMO#	MFR#	DESCRIPTION
S28054	S28054	SmartGPU Ground Power Unit | 28V, 54A, 3-pin Plug
S28114	S28114	SmartGPU Ground Power Unit | 28V, 114A, 3-pin Plug

GROUND POWER UNIT

WHITE LIGHTNING GPU



2835A

The next generation 2800 Series GPUs achieve a remarkable 89% electrical efficiency to provide up to 2,000 watts of power. Its cool running, switching-mode power modules provide massive amounts of stable, noise-free power from a 90–230 VAC outlet. It will safely power the most delicate airframe systems with laboratory-grade DC without risk of costly damage to sophisticated avionics, instruments, or electronic equipment. This new generation GPU is designed as a practical alternative to large, expensive start carts, battery chargers, and other devices designed primarily to spin starter motors. Unique, ergonomic design features dual, removable cord/tool caddies.

The 2800 Series GPUs provide 28-Volt DC power for powered preflight and battery top-off, cockpit procedures training NavData updates, cabin environmental systems, general maintenance, battery charging and conditioning with BatteryMINDer system (2835A-B2 & 2870A-B2)

- Dual digital output meters, volts & amps
- Overload alarm and auto-shutdown sequence
- GPU output cable with AN2551 3-pin oval plug
- Removable cord/tool caddies
- Universal Input: 90–230 VAC, 10A, 50–60Hz
- Output: 28 VDC, 35 Amps continuous
- Stable, noise-free DC power, safe for today's advanced cockpit systems
- Digital output meters for both voltage and amperes, with overload alarm
- Includes detachable input and output cables with AN2551 3-pin oval plug
- Compact, lightweight design utilizes highly efficient digital switching-mode power modules for greater reliability
- Removable caddies for cable management and tool storage

Weight:	2835A: 17.8 lb (8 kg), without cables 2835A-B2: 19.4 lbs (8.5 kg) without cables 2870A: 22.3 lb (10.1 kg) without cables 2870A-B2: 23.2 lb (10.5 kg), without cables
Dimensions:	2835A & 2870A: 8.9 x 11.25 x 18.0 in (200 x 284 x 457 mm), Without cord caddies: 5.15 in (131 mm) 2835A-B2 & 2870A-B2: 8.9 x 11.25 x 18.38 in (200 x 284 x 467 mm), Without cord caddies: 5.1 in (130 mm)
GPU Input:	90–230 VAC, 50–60 Hz, up to 9.5 Amps
GPU Output:	28 ± 0.5 VDC, 35 Amps (continuous)
BatteryMINDer Input:	90–140 VAC, 50–60 Hz. Unloaded input current: 80 mA AC *See BatteryMINDer user manual for detailed specifications

EDMO#	MFR#	DESCRIPTION
35 AMP		
2835A	2835A	Ground Power Unit
2835A-B2	2835A-B2	Ground Power Unit with Integrated BatteryMINDer Charger
70 AMP		
2870A	2870A	Ground Power Unit
2870A-B2	2870A-B2	Ground Power Unit with Integrated BatteryMINDer Charger

M-SERIES MINI GROUND POWER UNIT

WHITE LIGHTNING GPU



M1435

The M-Series Mini Ground Power Units are are highly efficient power supplies designed to perfectly replicate the in-flight electrical environment. Its cool running, switching-mode power modules provide massive amounts of stable, noise-free power, compatible with input voltages from all over the world. It will continuously power the most delicate avionics and airframe systems without risk of depleting the ship's battery or causing costly damage.

The M-Series Mini Ground Power Units provide power for avionics demonstration and testing, database and firmware updates, flight planning and cockpit procedures training, troubleshooting & maintenance, battery top-off charging, and powered pre-flight inspections.

- Universal input for worldwide compatibility: 85-264 VAC, 47-63 Hz
- High-efficiency switching-mode power modules for stable voltage and long-term reliability
- Digital output meters displaying both voltage and amperage (load)
- Automatic protection and recovery from short circuit, overload, overvoltage, overtemperature, and reverse polarity
- QuietFiltered™ output ensures interference-free COM radio operation
- Programmable auto-shutdown timer for added safety
- Dual USB power ports for mobile device charging
- Includes detachable input and output cables for convenience
- Color-coded, keyed SB-50 type output connectors prevent accidental voltage mismatch
- Compact, lightweight design optimized for portability and ease of use
- Airframe output cables available with multiple plug types for seamless aircraft compatibility

Weight:	M1428-DV & M2850: 17 lbs M1435, M1435-EXP & M1435P: 8 lbs M2827: 9 lbs
Dimensions:	M1428-DV: 14.63 x 5.32 x 6.13 in M1435, M1435-EXP, M1435P & M2827: 13.4 x 5.32 x 4.13 in M2850: 14.63 x 5.32 x 6.4 in
Input:	Universal, world-wide, 85-264 VAC, 47-63 Hz
Output:	M1428-DV: 14.25 VDC, 35 A (max), 28.50 VDC, 27 A (max) M1435, M1435-EXP & M1435P: 14.25 VDC, 35 A (max) M2827: 28 VDC, 27 A (max) M2850: 28.50 VDC, 50 A (max)

EDMO#	MFR#	DESCRIPTION
14 VOLTS & 28 VOLTS		
M1428-DV	M1428-DV	M-Series Mini Ground Power Unit | 14V & 28V, 3-Pin Oval Plugs
14 VOLTS		
M1435	M1435	M-Series Mini Ground Power Unit | 35A, 14V, 3-pin Oval Plug
M1435-EXP	M1435-EXP	M-Series Mini Ground Power Unit | 35A, 14V, Experiment A-B Aircraft
M1435P	M1435P	M-Series Mini Ground Power Unit | 35A, 14V, Piper Plug
28 VOLTS		
M2827	M2827	M-Series Mini Ground Power Unit | 27A, 28V, 3-pin Oval Plug
M2850	M2850	M-Series Mini Ground Power Unit | 50A, 28V, 3-pin Oval Plug

AIRFRAME INTERFACE KITS

WHITE LIGHTNING GPU



BM-AIK10A

These Airframe Interface Kits are designed to install a battery charger harness on FAA certified aircraft. One kit is included with each BatteryMINDer-equipped GPU. Order extra kits to install a BatteryMINDer-compatible harness on additional aircraft.

- Quick connect battery charger harness kit
- Aviation grade components for FAA-certified aircraft
- Adapts BatteryMINDer® SAE plug to Anderson SB50
- Rugged handle with strain relief
- No FAA field approval or Form 337 is required
- Certified mechanic can install and return to service

**This harness is designed only for maintenance battery charging, not for supplying ground power for airframe operations. Disconnect the charger before turning on airframe electrical power. Reconnect the charger after turning airframe electrical power off to recharge and then maintain/desulfate the battery.*

EDMO#	MFR#	COMPATIBILITY
BM-AIK1	BM-AIK1	For 2800 Series GPUs (2870A-B2 and 2835A-B2)
BM-AIK2A	BM-AIK2A	For 28V Certified Aircraft
BM-AIK2B	BM-AIK2B	For 14V Certified Aircraft
BM-AIK10A	BM-AIK10A	For SmartGPUs (S28054 and S28114), Included in BMC24

SMARTGPU BATTERY MAINTENANCE CHARGER KIT

WHITE LIGHTNING GPU
EDMO# BMC24
MFR# BMC24



The BMC24 is a highly specialized multi-stage battery charger calibrated specifically for the unique characteristics of lead-acid aircraft batteries. It is not approved for any other use. It incorporates award-winning BatteryMINDer technology and is offered as a convenient option for the SmartGPU Series of Ground Power Units for general aviation aircraft. The charger option can be ordered factory-installed in a SmartGPU, but this kit makes it easy to upgrade your SmartGPU with minimal tools and technical experience. A printed installation manual is included, and a video tutorial is available here.

- Includes: circuit board assembly (the charger unit), printed installation instructions (with a QR code to the installation video), 8 ft. output cable with handles and red SB50 plugs, airframe Interface Kit (BM-AIK10A)

GROUND POWER UNIT ACCESSORIES

WHITE LIGHTNING GPU

EDMO#	MFR#	DESCRIPTION
670-420	670-420	Anderson SB50 Handle Kit | Includes Strain Relief
802-683	802-683	Aircraft External Power Cable | 28V, 8 ft, 3-Pin AN2551
802-686	802-686	Battery Charger Output Cable | 28V
802-689B	802-689B	3-Pin AN2551 Aircraft jumper Cable | 20 ft, 4 AWG
802-690B	802-690B	Piper Aircraft Jumper Cable | 20 ft, 4 AWG
802-694A	502-694A	BatteryMINDer Adapter Cable | 28 VDC, Red
802-694B	802-694B	BatteryMINDer Adapter Cable | 14 VDC, Red
904-342	904-342	AN2551 Aircraft External Power Plug | 3-pin, Red

START PAC PRO PORTABLE STARTING UNIT

START PAC
EDMO# PRO
MFR# START PAC PRO



The Start Pac PRO is a very portable unit that is designed to be used as a safe and reliable jump-starting solution when aircraft batteries fail or are too weak to provide a satisfactory engine start. This lightweight solution is unique in that it addresses the requirements across both civil, commercial, and military markets. The Start Pac PRO Jump Starting System can be used for helicopters and fixed-wing aircraft as well as military UAVs. The Start Pac PRO comes standard as a complete set with a patent-pending aircraft cable adapter kit, proprietary charger, and carrying case.

- Standard 3-pin aircraft cable extension kit
- 30 min to 2.5 hour recharge time, depending upon the degree of discharge
- Not for in-flight charging use

Weight:	14 lb
Dimensions:	13 x 3.5 x 7 in
Capacity:	14 amp-hours
Voltage:	28 VDC
Amperage:	5A / 1800A engine starting
Power source:	100–240 VAC

HI-BRD 4 GROUND POWER UNIT

START PAC
EDMO# HI-BRD 4
MFR# HI-BRD 4



The StartPac® Hi-Brd 4 is an autonomous GPU that is self-propelled, which makes it ideal for operations that do not always have access to a tug but require the ability to easily walk the unit out onto the ramp. This 26-volt ground power supply is easy to maneuver on the ramp for short distances and can also be towed over long distances when necessary. The Hi-BRD 4 GPU is equipped with an eco-friendly, 3-cylinder engine and a permanent magnet generator that is capable of providing up to 300 amps of clean, continuous, no-duty power for running high-draw aircraft systems.

- Heavy-duty welded steel frame
- Removable doors for easy maintenance access
- Environmentally friendly, low-VOC durable powder coat finish
- Automatic soft engine starts from the battery bank
- Patent pending self-propelled feature for easier mobility
- Tier IV EPA emissions compliant
- Full application approval by Yanmar/Isuzu
- Built-in battery charger/warmer for cold weather operation
- High visibility digital output display
- Forced air-cooling
- Over-current, over-voltage, and over-temperature protection

Weight:	1073 lb
Dimensions:	56 x 46 x 60 in
Capacity:	56 amp-hours for lead acid @ 10 amp-hour rate 62 amp-hours for lithium @ 10 amp-hour rate
Voltage:	28.5 VDC
Amperage:	300A / 2800A engine starting

MODEL 1324-1QC PORTABLE STARTING UNIT

START PAC
EDMO# 1324-1QC
MFR# 1324-1 QC



The Start Pac® Model 1324-1QC is a 24-volt unit that will start a turbine or piston engine up to 500 horsepower. This unit is equipped with a 4.5 amp charger and provides a charge time of approximately 4 hours with the ability to give two or three starts between charges. The Model 1324-1QC's batteries can be changed in the field in as little as 15 seconds.

- 1300A Peak Current complete with built-in charger, power plug, and cables

Weight:	35 lb
Dimensions:	15.5 x 4 x 11.75 in
Capacity:	13 amp-hours @ 10 amp-hour rate
Voltage:	24 VDC
Amperage:	4.5A charging / 1300A engine starting
Power source:	90–240 VAC at 50/60 Hz

MODEL 2300QC PORTABLE STARTING UNIT

START PAC



The Start Pac® Model 2300QC is a 24-volt all-in-one portable Super Pac unit that includes built-in chargers, a power plug, and cables. The 2300QC is intended for starting aircraft engines—it will start turbine and piston engines up to 1500 horse power and is equipped with universal chargers that accept 90-240 VAC at 50/60 Hz and have a recharge time of less than 3.5 hours.

- 2300A peak current complete with built-in charger, power plug, and cables

Weight:	69 lb
Dimensions:	19.2 x 7.5 x 11.5 in
Capacity:	26 amp-hours @ 10 amp-hour rate
Voltage:	24 VDC
Amperage:	8A / 2300A engine starting
Power source:	90–240 VAC at 50/60 Hz

EDMO#	MFR#	DESCRIPTION
2300QC	2300 QC	2300QC portable starting unit / 24V
ACCESSORIES		
2300QC-B	RBB	Replacement battery for 2300QC Earth Gear
QC TROLLEY	TROLLEY	Start Pac QC Trolley used for Start Pac 1324-2QC, 1628QC, 2300QC, LI2700QC, LI2800QC or the 6028QC. 10 inch Pneumatic tires w/ ball bearings.

MODEL 6028QC PORTABLE STARTING UNIT

START PAC



The Start Pac® Model 6028QC is a 28.5 volt ground power supply unit capable of starting the largest turbine or piston engines, including the Garret TPE331. The 6028QC is capable of providing fast, cool starts that result in increased turbine life. Additionally, this unit can be used to perform various maintenance duties requiring more than 24-volts.

- Equipped with a separate removable battery; can be changed in 15 seconds
- Recharge time of approximately 7 hours

Weight:	77 lb
Dimensions:	19.2 x 7.5 x 11.5 in
Capacity:	26 amp-hours @ 10 amp-hour rate
Voltage:	28.5 VDC
Amperage:	7A / 2300A engine starting
Power source:	90–240 VAC at 50/60 Hz

EDMO#	MFR#	DESCRIPTION
6028QC	6028 QC	6028QC Portable Starting Unit / 28.5 V
6028QC-S	6028QC SUPER PAC	6028QC Portable Starting Unit / 28.5 V
ACCESSORIES		
6028QC-B	6028QC-RBB	Replacement Battery for 6028QC
QC TROLLEY	TROLLEY	Start Pac QC Trolley used for Start Pac 1324-2QC, 1628QC, 2300QC, LI2700QC, LI2800QC or the 6028QC. 10 inch Pneumatic tires w/ ball bearings.

MODEL 53200 GROUND POWER UNIT

START PAC
EDMO# 53200
MFR# 53200



The Start Pac® Model 53200 is designed to power up 24-volt aircraft systems and provides a continuous current up to 200-amps. The 28.5 volt output is designed to simulate the aircraft's power when operating on its own.

- No-duty cycle provides clean, continuous power.
- Designed for heavy-duty usage

Weight:	30 lb
Dimensions:	20 x 8 x 13 in
Continuous Current Power:	200A, maximum
DC Voltage Output:	28.5 VDC
AC Voltage Input:	180 VAC – 240 VAC
AC Current Input:	27A @ 220 VAC, at maximum output
AC Current Output	200A @ 220 VAC, at maximum output

MODEL 53300 GROUND POWER UNIT

START PAC
EDMO# 53200
MFR# 53200



The Start Pac® Model 53300 is designed to power up 24-volt aircraft systems and provides a continuous current up to 300-amps. The 28.5 volt output is designed to simulate the aircraft's power when operating on its own.

- No-duty cycle provides clean, continuous power.
- Designed for heavy-duty usage

Weight:	42 lb
Dimensions:	20 x 8 x 13 in
Continuous Current Power:	300A, maximum
DC Voltage Output:	28.5 VDC

*continued on next page

AC Voltage Input:	180 VAC — 240 VAC
AC Current Input:	40A @ 220 VAC, at maximum output
AC Current Output	300A @ 220 VAC, at maximum output

LI2000QC LITHIUM ION GROUND POWER UNIT

START PAC
EDMO# LI2000QC
MFR# LI2000QC



Start Pac's Mobile Lithium-ion aircraft engine starting unit provides a 28 VDC output and 2,400 peak current amps for fast starts for small to medium-sized turbine-powered engines. These light-weight and compact lithium-ion units may also be used to start both turbine and piston engines and are ideal for carrying out work in the field.

Weight:	46 lb
Dimensions:	19.2 x 7.5 x 9.75 in
Capacity:	20 amp-hours @ 10amp-hour rate
Amperage:	9A / 2400 engine starting

LI2700QC LITHIUM ION GROUND POWER UNIT

START PAC



The Start Pac® Model LI2700QC portable lithium ion starting unit provides a 26 VDC output for starting all electronically-started turbine engines. It features dual, redundant charges with a total of 9 ampere output and a recharge time of approximately 4 hours. This ground power unit has been designed for aircraft with over-voltage protection relays that are set lower than normal and cannot accept more than 29.5 volts from an external starting source.

Weight:	46 lb
Dimensions:	19.2 x 7.5 x 9.75 in
Capacity:	31 amp-hours @ 10amp-hour rate
Amperage:	9A / 2400 engine starting

EDMO#	MFR#	DESCRIPTION
LI2700QC	LI2700QC	26 VDC / 9 amp output
ACCESSORIES		
LI2700QCB	RBB Li2700QC	Replacement battery pack/for LI2700QC, LI2700QC-RBB, LI2700QC Super Pac and LI2700QC Twin Pac
QC TROLLEY	TROLLEY	Start Pac QC Trolley used for Start Pac 1324-2QC, 1628QC, 2300QC, 53300, LI2700QC, LI2800QC or the 6028QC. 10 inch Pneumatic tires w/ ball bearings.

LI2800QC LITHIUM ION GROUND POWER UNIT

START PAC



The Start Pac® Model LI2800QC portable lithium ion starting unit provides a 28 VDC output for starting all electronically-started turbine engines. It features dual, redundant chargers with a total of a 7-amp output and a recharge time of approximately four hours.

Weight:	46 lb
Dimensions:	19.2 x 7.5 x 9.75 in
Capacity:	28 amp-hours @ 10 amp-hour rate
Amperage:	7A / 2400 engine starting

EDMO#	MFR#	DESCRIPTION
LI2800QC	LI2800QC	28 VDC / 7 amp
ACCESSORIES		
LI2800QCB	LI2800QC-BLUE	Replacement battery pack for Start Pac models LI2800QC and LI2800QC-RBB ground power units.
QC TROLLEY	TROLLEY	Start Pac QC Trolley used for Start Pac 1324-2QC, 1628QC, 2300QC, 53300, LI2700QC, LI2800QC or the 6028QC. 10 inch Pneumatic tires w/ ball bearings.

AUXILIARY POWER UNITS

RB-14/28-25 SERIES APU

DB ASSEMBLY, INC



The RB-14/28-25 Series Aircraft Ramp Power Supply is an aircraft flight line service and maintenance tool. The APU unit has a filtered 14 or 28-volt DC power supply with an amperage capability up to 25 amperes for testing of aircraft electrical systems. This ramp or hanger accessory is an absolute must for avionics service, gear and flap actuator exercising, and other electrical system service.

- Voltage is filtered to eliminate hum and is regulated against input AC line voltage changes
- Output DC voltage and current are displayed on front panel meters
- DC voltage is also protected by a circuit breaker
- Selection of output voltage by front panel switch protected by a switch guard
- Closing the guard forces the switch to the 14-volt position

Weight:	32 lb
Dimensions:	8 x 10 x 10 in
Input amperage:	4.5/9A
Output amperage/voltage:	14/28 VDC @ 25A
Output power:	1,400 watt

EDMO#	MFR#	INPUT VOLTAGE/FREQUENCY
RB-142825	RB-142825	115 VAC / 60 Hz
RB-142825E	RB-142825E	220 VAC / 50 Hz
RB-142825P	RB-142825P	115 VAC / 60 Hz
RB142825EP	R-14/28-25EP	220 VAC / 50 Hz
RB142825SP	R14/28-25PS	110 VAC / 60 Hz

P-1450 APU & CHARGER

DB ASSEMBLY, INC
EDMO# PS-1450E
MFR# P-1450E



The P-1450 Aircraft Ramp Power Supply and Battery Charger is a dual-purpose aircraft flight line service and maintenance tool. The unit has a filtered 14-volt DC power supply with up to 50-amps capability for tests of aircraft electrical systems and a secondary mode for recharging run-down batteries.

- Aircraft APU connectors furnished
- Ferro-resonant regulated supply
- DC current limited
- Front panel meter, controls
- Portable, weighs only 38 lb
- Extensive testing by FBO's

Weight:	38 lb
Dimensions:	12 x 8 x 9 in
Input current:	220 VAC @ 9A
Input frequency:	50Hz
Output current:	14 VDC @ 500A
Output power:	700 watt

P-14100 APU

DB ASSEMBLY, INC
EDMO# P14100/2P
MFR# P-14100/2P 50FT CORD



The P-14100 APU provides the amps necessary for gear retraction tests as well as the filtered power for all types of avionics service. The P-14100 supplies up to 100 amps at 14 VDC for commercial aircraft. It plugs into the APU connector on the engine cowling and automatically disconnects the battery so that it will not be drained by the servicing processes.

- Aircraft APU connectors furnished
- 50-foot Piper & Cessna plugs
- Ferro-resonant regulated supply
- DC current limited
- Front panel meter and controls

Weight:	61 lb
Dimensions:	13 x 9 x 10 in
Input current:	220 VAC @ 17.5A
Input frequency:	60Hz
Output current:	14 VDC @ 100A
Output power:	1,400 watt

P-2850 SERIES APU & CHARGERS

DB ASSEMBLY, INC



The P-2850 Aircraft Ramp Power Supply and Battery Charger is a dual-purpose aircraft flight line service and maintenance tool. The unit has a filtered 28 volt DC power supply with up to 50 amperes capability for tests of aircraft electrical systems and a secondary mode for recharging run-down batteries.

- Plugs directly to aircraft APU connector
- Front panel switching functionality
- LED charging status indicator
- Fully automatic charging process
- AC circuit breaker included
- 7 foot DC cable furnished
- Ferro-resonant regulated supply

Weight:	45 lb
Dimensions:	12 x 8 x 9 in
Input amperage:	18A
Output amperage/voltage:	28 VDC @ 50A
Output power:	1,400 watt

EDMO#	MFR#	INPUT VOLTAGE/FREQUENCY
PS-2850	PS-2850	110 VAC / 60 Hz
PS-2850P	PS-2850P	115 VAC / 60 Hz
PS-2850AEP	PS-2850AEP	220 VAC / 60 Hz

P-28100 SERIES APU

DB ASSEMBLY, INC



The P-28100 provides the amps necessary for gear retraction tests as well as the filtered power for all types of avionics service. The PS-28100 supplies up to 100 amps at 28 VDC for commercial aircraft. It plugs into the APU connector on the engine cowling and automatically disconnects the battery so that it will not be drained by the servicing processes.

- Included aircraft APU connectors
- 8-foot DC cable furnished
- Ferro-resonant regulated supply
- DC current limited
- Front panel meter, controls

Weight:	64 lb
Dimensions:	13 x 9 x 10 in
Input amperage:	35A
Output amperage/voltage:	28 VDC @ 100A
Output power:	2,800 watt

EDMO#	MFR#	INPUT VOLTAGE/FREQUENCY
P-28100	P-28100	220 VAC / 60 Hz
P-28100/1S	P-28100/1S	110 VAC / 60 Hz (dual meter)
P-28100PS	P-28100PS	120, 208, 220, 240 VAC / 60 Hz
PS-28100/1	P-28100/1	110 VAC / 60 Hz
PS-28100EP	P-28100EP	220 VAC / 50 Hz (Piper plug)
PS-28100PL	P-28100PL	220 VAC / 60 Hz (Pilatus & Cessna plugs)
PS-28100S	P-28100S	220 VAC / 60 Hz (Dual Meter & Cessna plug)

*continued on next page

EDMO#	MFR#	INPUT VOLTAGE/FREQUENCY
P28100P	P-28100/P 50 FTCORD	220 VAC / 60 Hz (Piper & Cessna plugs)
PS28100ECL	P-28100ECL	220 VAC / 60 Hz (Eclipse E-500 plug)
ACCESSORIES		
AN2551	AN2551	Cessna plug

DUAL VOLTAGE APU & CHARGER

DB ASSEMBLY, INC



The BA-14/2850 Aircraft Ramp Power Supply and Battery Charger is a multi-purpose aircraft flight line service and maintenance tool. The unit has a filtered 14 & 28 volt DC power supply with up to 50 amperes capability for tests of aircraft electrical systems and a secondary mode for recharging run-down batteries. The BA-14/2850 plugs directly into the aircraft APU connector and is tied to the electrical system when the master switch is activated. Selection of output voltage is by a front panel switch, which is protected by a switch guard. Closing the guard forces the switch to the 14-volt position.

- Fully automatic charging process
- LED indicator
- The on/off switch also resets the unit
- AC circuit breaker
- 8-foot DC cable
- Ferro-resonant regulated supply

Weight:	46 lb
Output amperage/voltage:	14/28 VDC @ 50A

EDMO#	MFR#	INPUT VOLTAGE/FREQUENCY
BA14/2850P	BA14/2850P	110 VAC / 60 Hz (Piper and Cessna plugs)
BA14/28-50	B14/28-50	110 VAC / 60 Hz (Cessna plug)

BATTERY CHARGERS

BATTERYMINDER™ ANDERSON SB-50 TO CESSNA-STYLE GPU PLUG

VDC ELECTRONICS



The Anderson SB-50 to Ground Power Unit Plug lets you use BatteryMINDer model 28252-AA to charge and power your aircraft through the factory GPU port.

- 50 Amps

BATTERYMINDER™ AVIATION CHARGER

VDC ELECTRONICS



12248AAS2

The aviation BatteryMINDer is a continuous maintenance charger and desulfator for lead-acid aviation batteries. Designed for all aviation-specific FAA-certified Concorde, Gill, Hawker, and Odessey brand sealed, wet (filler cap), maintenance-free, AGM, fel, and PLT thin-plate lead-acid batteries. In addition to charging and maintaining sealed or wet cell (filler cap) aviation batteries, these units also allow users to test the level of charge remaining in the battery. BatteryMINDer™ CEC1-AA units test for weak/dead cells and can recover weak or severally discharged batteries while providing easy-to-understand analysis for the user.

- Instant alternator condition at the push of a button.
- Guaranteed never to overcharge, regardless of time or temperature, with the correct battery type setting and ABS-248 temperature sensors correctly installed on either battery terminal connection
- Auto-restart after power failure
- Safely charges up to 200% faster than conventional chargers
- Maintains from 1 to 6 batteries at a time (parallel connected)
- Automatically dissolves power-robbing sulfation using safe low-voltage pulse technology (U.S. Patented)
- Microprocessor-controlled pulsed output ensures 100% full charge
- Temperature compensation extends battery life by more than 200 cycles (full charge-discharge cycles) with an ABS temperature sensor
- High efficiency design = low monthly operating cost
- Weather-proof enclosure
- 6-foot AC cord, 6-foot DC cord with quick disconnect

The BatterMINDer™ 7-stage charging process:

1. Analyze to test and qualify/accept or reject the battery
2. Desulfate begins by dissolving harmful sulfate
3. Aoft start applies low current if battery tests low
4. Bulk charge phase provides maximum output to charge up to 85%
5. Absorption phase charges at low current to 100%
6. Tests the battery for any further desulfation
7. Maintains temperature-compensated charge at full-charge

EDMO#	MFR#	DESCRIPTION
12 VOLT		
12248AAS2	12248AAS2	Concorde CB and Gill Aviation (flooded, lead-acid batteries)
128CECAAS2	128CEC1-AA-S2	Gill (seals + flooded, wet cell / filler cap)*
128CECAAS3	128CEC1-AA-S3	Hawker-Odessey / Gill LT 7000
128CECAAS5	128CEC1-AA-S5	Concord (sealed valve-regulated AGM + Flooded, wet cell / filler cap)
24 VOLT		
244CECAAS2	244CEC1-AA-S2	Gill (seals + flooded, wet cell / filler cap)*
244CECAAS3	244CEC1-AA-S3	Hawker-Odessey/ Gill LT 7000
244CECAAS5	244CEC1-AA-S5	Concord (sealed valve-regulated AGM + Flooded, wet cell / filler cap)

**These parts are intended to be used exclusively with Gill products except the Gill LT 7000 Series.*

BATTERYMINDER™ MODEL 1510

VDC ELECTRONICS
EDMO# 1510-12
MFR# 1510 1510-12



The BatteryMINDer™ Model 1510 features a SmarTECHnolgy plug-n-run 1.5 amp battery charger/maintainer with a full-time, automatic high-frequency pulse desulfator that extends a battery's life up to four times its normal life. The Model 1510 is ideal for charging, maintaining, and recovering 12-volt flooded, sealed, maintenance-free, starter, deep-cycle, Optima brand sealed AGM, and marine batteries. This unit has a wide 90-240 VAC and 47-63 Hz input voltage range, allowing it to operate worldwide. It is also capable of maintaining up to four batteries at a time (6 or 12-volts connected in parallel) by using the optional SmarTechnology™ Y-connector or a customer-supplied 18-gauge insulted wire.

- Ambient temperature sensor ensures the battery will not over- or under-charge regardless of extreme temperatures
- Recovers weak batteries
- Automatic, full-time, high-frequency pulse type desulfation
- Reverse polarity, short circuit, and over-temperature protection
- Ideal use with flooded, sealed, maintenance-free, starter, deep-cycle, Optima brand sealed AGM, and marine batteries (not for use with aviation batteries)
- FCC-certified and Energy Star-rated

Weight:	<1 lb
Dimensions:	3.9 x 2.55 x 1.18 in
Voltage:	12 V
Power source:	90-240 VAC @ 47-63 Hz
Charging current:	1.5 A
Circuit protection:	Over charger and reverse polarity
Input-Output insulation test:	1,240VAC @ 60Hz 5mAac, no breakdown
International standard IP60:	Dust tight, no ingress of dust
Temperature range:	Operating: -10°C to 40°C (14°F to 104°F) Storage: -25°C to 85°C (-13°F to 185°F)
Temperature compensation:	-12°C to 50°C (-4°F to 122°F)
Operating humidity:	0 to 90% relative humidity
Protection:	Over-charge, polarity reversal
Batteries (#):	4
Includes:	Ambient temperature sensor (installed), 12 ft power cord, battery clip cord set with quick connector, and optional permanent mounting tab

TT28-2 TRUE BLUE CHARGER MX

TRUE BLUE POWER



The TT28 battery charges and maintains sealed lead-acid and all True Blue Power lithium-ion batteries. It features an alphanumeric LCD display that provides battery voltage and indications, charge/ready and fault LED indicators, and continuously monitors and charges to ensure the battery is in a quick-ready state whenever battery power is needed.

- Charges and maintains sealed lead-acid and all True Blue Power lithium-ion aircraft batteries: TB17, TB20, TB30, TB40, TB44, TB60
- Power Output: 2.5 amps charge current limit
- Alphanumeric LCD display provides battery voltage and indications
- Charge, Ready, and Fault LED indicators
- Continuously monitors and charges to maintain a quick-ready state

282-101

Weight:	1.1 lb
Dimensions	4.5 x 4.5 x 2.5 in
Input Voltage	90 VAC — 264 VAC ±10%, 47 Hz – 63 HZ, 1A, maximum
Input Connector:	IEC60320-C13
Battery Charge Voltage:	Lithium-ion: 28.8V, maximum Lead-acid: 28.6V, maximum
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Timing Accuracy:	±5% of normal time
Display Accuracy:	±0.2 V
Protection and Monitoring:	Overcharge and over-temperature, internal timer automatically monitors open-circuit voltage to determine top charge

EDMO#	MFR#	CONNECTOR
282-101	282-101	MS-3509 Compatible
282-102	TT28-2	Ring Terminal

TT28-12 TRUE BLUE CHARGER PRO

TRUE BLUE POWER
EDMO# TT28-12
MFR# ACM-1260-101



The TT28-12 True Blue Charger PRO is specifically designed to charge and discharge, as well as test the TB series lithium-ion aircraft batteries. This charger is easy-to-use and capable of automatically discharging lithium-ion batteries to 30% state-of-charge, as required for air shipment. The True Blue Charger PRO comes pre-loaded with all the parameters for charging and discharging True Blue Power lithium-ion batteries, allowing maintenance personnel to safely and efficiently top charge batteries and perform scheduled capacity checks.

- Specifically engineered to charge, discharge, and test TB series lithium-ion aircraft batteries: TB17, TB20, TB30, TB40, TB44, TB60
- Variable Power: 12.5 amps charge (nominal); 60 amps discharge (maximum)
- Alphanumeric LCD display indicates battery mode, current, voltage, temperature, and timer
- Charge, Discharge, and Fault LED indicators

Weight:	29.5 lb
Dimensions	6.5 x 14.5 x 15 in
Input Voltage	90 – 132 VAC or 180 – 264 VAC (switch selected) @ 47 – 63 Hz
Battery Charge Voltage:	Lithium-ion; 28.8V (maximum)
Operating Temperature	32°F to 131°F (0°C to 55°C)
Display Measurement:	To 0.1 V, 0.1 A
Display Accuracy:	±0.2 V, ±0.2 A
Protection and Monitoring:	Overcharge, over-temperature and time out for failed batteries, auto shut off after top charge is complete and audible alerts for low voltage and reverse polarity

EDMO#	MFR#	DESCRIPTION
ACCESSORIES		
9012-1051	9012-1051	Battery Connection Cable
9012-1062	9012-1062	Battery Temperature Cable with Power Comm Port Connector

TT43 BATTERY TESTER & CHARGER

TRUE BLUE POWER
EDMO# TT43
MFR# TT43



The TT43 battery tester and charger provides automatic battery capacity and battery recharging for the 4300 Series Lifesaver and TS420 Series emergency power supplies batteries for five hours or less. It can test and charge two batteries at once and allows for indefinite float charging (providing for a continual low rate charge that compensates for the self-discharge rate of the battery) so that a charged battery is always ready. The TT43 is equipped with a dot matrix LCD display and is microprocessor controlled.

- Tests and charges the removeable battery of the 4300 Series and TS420 Series Emergency Power Supply
- Alphanumeric dot matrix LCD display provides dynamic test status and measurements
- Test or charge one or two batteries simultaneously in less than 5 hours
- Microprocessor control adjusts the test to accurately compensate for acceptable battery variation
- Bright LEDs provide quick reference pass/fail results
- Can float charge batteries indefinitely to maintain an always-ready state

Weight:	1.2 lb
Dimensions:	4.26 x 8.08 x 2.40 in
Input power:	24–30 VDC, 1.0 A, maximum
Power supply:	Wall-outlet AC adapter included
Battery type:	Switch allows for selection of 0.5 Ah or 2.5 Ah batteries
Battery detection:	Load sensing recognizes batteries when connected to the tester
Efficiency:	Tests/charges up to two battery simultaneously in < 5 hours
Protection:	Short-circuit protection and time out for failed batteries
Display:	Alphanumeric dot matrix display
Indication:	Bright LEDs provide quick reference pass/fail results
Mating connector:	MCIA P/N 9015904, included



NOTES



EDMO

FLASHBACK

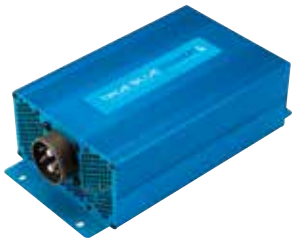
Inverters & Converters

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INVERTERS

TI2000 SERIES DC-TO-AC INVERTER

TRUE BLUE POWER
EDMO# 6432000-1
MFR# 6432000-1



The TI2000 DC-to-AC Inverter provides 2,000 watts of wall outlet power to cabin and galley accessories including entertainment systems, personal electronic devices, microwave ovens, and coffee makers. This small and lightweight unit features input transient, overload and short-circuit protection up to 150% of the rated load.

- Supplies 2,000 watts of wall outlet power
- Ideal for emergency medical equipment, special mission and VIP cabin configurations
- 93% efficiency rating
- Input transient, overload and short-circuit protection — up to 150% of rated load without damage
- Optional remote on/off

Weight:	7.7 lb (3.49 kg)
Dimensions:	6.32 x 12 x 3.46 in
Case:	Anodized aluminum extrusion, blue
Input voltage:	20–36 VDC
Input current:	80A @ 28 VDC input
Output voltage:	115 VAC ± 3%
Output frequency:	60 Hz ± 0.1%
Output power:	2,000 watts
Output waveform:	Single phase, true sine wave, <3% THD
Altitude:	55,000 ft
Humidity:	Tested to greater than 95% for 10 days Temperature cycle of 75°F to 160°F
Temperature range:	Operating: -55°C to 70°C (-67°F to 158°F)
Integral Cooling:	Dual, electronically-controlled brushless fans
Mating Connector:	P/N 9018784-1 P/N 9018550-2 (cable clamp / backshell)
Certification:	FAA TSO-C73 certified EASA ETSO-C73 certified RTCA DO-160G qualified

EDMO#	MFR#	OUTPUT FREQUENCY
6432000-1	6432000-1	115VAC/60 Hz, sine wave
6432000-4	6432000-4	115VAC/400 Hz, sine wave

TI1200 SERIES DC-TO-AC INVERTER

TRUE BLUE POWER



The TI1200 Series inverters supply 1,200 watts to power multiple cabin accessories, galley equipment, and entertainment systems. The units are ideal for emergency medical service, law enforcement, and VIP cabin configurations. The TI1200 produces 1200 watts of "wall outlet" power from an aircraft's 28 VDC input. It has the same connector and foot print as legacy designs, plus overload and short-circuit protection up to 150% of its rated load.

- Supplies 1200 watts to power multiple cabin accessories, galley equipment, and entertainment systems
- Ideal for use in emergency medical service, law enforcement, and VIP cabin configurations
- 88% efficient operation
- Input transient, overload, and short-circuit protection for up to 150% of rated load
- Optional remote on/off

Weight:	7.3 lb (3.31 kg)
Dimensions:	12 x 6.32 x 3.46 in
Case:	Anodized aluminum extrusion, blue
Input voltage:	20–36 VDC
Input current:	60A @ 28 VDC input
Output voltage:	TI1200: 115 VAC ± 3% TI1202: 230 VAC ± 3% TI1204: 115 VAC ± 3%
Output frequency:	TI1200: 60 Hz ± 0.1% TI1202: 50 Hz ± 0.1% TI1204: 400 Hz ± 0.1%
Output power:	1200 watts
Output waveform:	Single phase, true sine wave, < 3% THD
Altitude:	55,000 ft
Humidity:	Tested to greater than 95% for 10 days Temperature cycle of 75°F to 160°F
Temperature range:	Operating: -55°C to 70°C (-65°F to 160°F)
Integral cooling:	Dual, electronically-controlled brushless fans
Mating Connector:	MS3106A24-12S MS3057-16A (cable clamp / backshell)
Certification:	FAA TSO-C73 certified EASA ETSO-C73 certified RTCA DO-160G qualified

EDMO#	MFR#	OUTPUT VOLTAGE:	OUTPUT FREQUENCY:
TI1200	6431200-1	115 VAC ± 3%	60 Hz ± 0.1%
TI1202	6431200-3	230 VAC ± 3%	50 Hz ± 0.1%
TI1204	6431200-6	115 VAC ± 3%	400 Hz ± 0.1%

TI500 DC-TO-AC INVERTER

TRUE BLUE POWER
EDMO# TI500
MFR# MD50



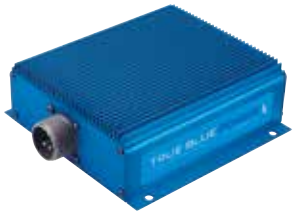
The TI500 is a DC-to-AC static inverter that produces 115 volts at 60 Hz for 500 watts of "wall outlet" power from an aircraft's 28 VDC input. The unit is lighter and 30% smaller than similar inverters, yet it has the same connector and footprint as legacy designs, plus, offers overload and short-circuit protection up to 150% of its rated load.

- Supplies 500 watts of power to multiple cabin accessories, such as laptops, cell phones and MP3 players
- 85 – 90% efficient
- Input transient, overload and short-circuit protection — up to 150% of rated load without damage
- Remote on/off

Weight:	3.9 lb
Dimensions:	6.34 x 8.15 x 2.74 in
Case:	Anodized aluminum extrusion, blue
Input voltage:	20–36 VDC
Input current:	20A @ 28 VDC input
Output voltage:	115 VAC ± 0.1%
Output frequency:	60 Hz ± 0.1%
Output power:	500 watts
Output wave form:	Single phase, true sine wave, < 3% THD
Altitude:	55,000 ft
Humidity:	Tested to greater than 95% for 10 days Temperature cycle of 75°F to 160°F
Temperature range:	Operating: -55°C to 70°C (-65°F to 160°F)
Integral Cooling:	Dual, electronically-controlled brushless fans
Mating Connector:	MS3106A-18-9S
Certification:	FAA TSO-C73 certified RTCA DO-160F qualified

TI250 SERIES DC-TO-AC INVERTER

TRUE BLUE POWER



The TI250 Series DC to AC inverters supply 250 watts of "wall outlet" power from an aircraft's 28 VDC input. Engineered with a fanless design, the TI250 saves energy, operates cooler and weighs as little as 2.2 pounds. The TI250 utilizes the same connector and footprint as legacy designs and includes overload, short-circuit, and ground fault protection.

- Supplies 250 watts of power to multiple cabin accessories, such as laptops, tablets, and cell phones
- 87% - 90% efficient
- Input transient, overload, short circuit protection up to 150% of rated load without damage
- Ground Fault Interrupt (GFI) protection
- Remote on/off

Weight:	TI250 & TI254: 2.2 lb TI256: 2.6 lb
Dimensions:	5.94 x 6.74 x 2.02 in
Case:	Anodized aluminum extrusion, blue
Input voltage:	20–36 VDC
Input current:	10A @ 28 VDC input
Output voltage:	TI250 & TI254: 115 VAC ± 3% TI256: 115/26 VAC ± 3%
Output frequency:	TI250: 60 Hz ± 0.1% TI254 & TI256: 400 Hz ± 0.1%
Output power:	250 watts
Output waveform:	Single phase, true sine wave, <3% THD
Altitude:	55,000 ft
Humidity:	Tested to greater than 95% for 10 days, Temperature cycle of 100°F to 150°F
Temperature range:	Operating: -55°C to 70°C (-65°F to 160°F)
Mating Connector:	MS3106A-18-9S
Certification:	FAA TSO-C73 certified RTCA DO-160G qualified

EDMO#	MFR#	OUTPUT VOLTAGE:	OUTPUT FREQUENCY:
TI250	6430250-1	115 VAC ± 3%	60 Hz ± 0.1%
TI254	6430250-2	115 VAC ± 3%	400 Hz ± 0.1%
6430250-3	6430250-3	115/26 VAC ± 3%	400 Hz ± 0.1%

TI10 DC-TO-AC INVERTER

TRUE BLUE POWER
EDMO# TI10
MFR# MD26-28



The TI10 is a compact and lightweight DC-to-AC inverter that provides reliable 26-volt, 400 Hz power. The pure sine wave output offers stable voltage and frequency regardless of input fluctuations.

- Compatible with 14 and 28 VDC aircraft with a 11–40 VDC input range
- Pure sine wave output 26 VAC, 400 Hz, 10VA
- Provides reference and power for bootstrap synchros and weather radar systems, GAD 42, GAD 43
- Transient and reverse polarity protected

Weight:	0.28 lb
Dimensions:	1.5 x 2.8 x 3.0 in
Input voltage:	11–40 VDC
Input current:	1.7A max @ 11 VDC input, 10 VA load
Output voltage:	26 ±1 VAC, 400 Hz ±0.5%, single phase
Output power:	10 VA | Pure sine wave, < 3% distortion
Altitude:	-1,000 to 50,000 ft
Humidity:	0 to 95% @ 25°C
Temperature range:	Operating: -55°C to 70°C (-65°F to 160°F)
Vibrations:	0.02 in. dbl. ampl., 3g @ 5 to 55 Hz
Connector:	Terminal block
Mounting:	Base mount
RF Emissions:	RTCA DO-160F, Section 21, Category M
Certification:	FAA PMA approved

SC / SPC SERIES STATIC INVERTERS

KGS ELECTRONICS INC



SC3

The SC and SPC Series 400 Hz static inverters uses state-of-the-art, solid state circuitry to convert a 28 VDC input to a 115 VAC, 400 Hz sine wave output.

- Crystal controlled oscillator design provides output frequency stability
- Pulse width-modulated square wave to sine wave power conversion scheme offers efficient, reliable, and quiet operation
- Certified to FAA TSO-C73 airborne standards

Input voltage:	Range: 20–36.5 VDC Nominal: 28 VDC
Output waveform / phase:	Sine wave / single phase
Harmonic Distortion:	2.5% nominal
Power factor:	0.8 to -0.8

*continued on next page

Efficiency:	87% nominal
Response time:	300 µSec (no load to full load)
Regulation:	1% line, 1% load, 2.5% temperature
Overload capacity:	110% of rated power for 2 hr 150% of rated power for 5 min
Protection circuit:	The inverter will shutdown under the following conditions: Input voltage > 37.5 ± 1 VDC, Input voltage < 18 VDC ± 1.5 VDC Internal high ambient temperature Short circuit condition (after 2 to 15 sec) manual reset
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Cooling:	Thermostatically controlled brushless fan (above 50°C)
Compliance:	FAA TSO-C73

EDMO#	MFR#	OUTPUT	POWER	WEIGHT	FEATURES
SC SERIES					
SC3	SC3	115 VAC	30 VA	1 lb	
SC3A	SC3(A)	26 VAC	30 VA	1 lb	
SC50	SC50	115/26 VAC	500/100 VA	4.9 lb	
SC100	SC100	115 VAC	1000 VA	7.5 lb	
SPC SERIES					
SPC-5	SPC-5	115/26 VAC	50/30 VA	3.1 lb	DC, AC
SPC-5B	SPC-5(B)	115/26 VAC	50/30 VA	3.1 lb	Rem, F/M, AC, DC
SPC-5G	SPC-5(G)	115/26 VAC	50/30 VA	3.1 lb	DC, AC
SPC-10	SPC-10	115/26 VAC	100/60 VA	5.2 lb	
SPC-10D	SPC-10(D)	115 /26 VAC	100 VA	5.2 lb	DC, Rem, F/M
SPC-10H	SPC-10(H)	115/26 VAC	350/150 VA	5.6 lb	DC, Rem, F/M, P/L, AC, I/O
SPC-10HD	SPC-10HD	115/26 VAC	350/150 VA	5.6 lb	I/O
SPC-10PW	SPC-10PW	115/26 VAC	250/150 VA	6.0 lb	
SPC-10T	SPC-10(T)	115/26 VAC	250/150 VA	5.4 lb	
SPC-10W	SPC-10(W)	115/26 VAC	100/60 VA	5.2 lb	
SPC-30	SPC-30	115/26 VAC	300/75 VA	8.1 lb	Rem
SPC-38	SPC-38	115/26 VAC	375 VA	8.0 lb	
SPC-38A	SPC-38(A)	115/26 VAC	375/75 VA	8.5 lb	Rem, F/M
SPC-60	SCP-60	115/26 VAC	600/26 VA	14.0 lb	
SPC-60E	SPC-60(E)	115/26 VAC	750/150 VA	14.2 lb	Rem

DC: DC ground
F/M: fault monitor
P/L: phase lock
Rem: remote on/off
AC: AC return
I/O: on/off return

SS / SB SERIES STATIC INVERTERS

KGS ELECTRONICS INC



SS100

The SS and SB Series static inverters are lightweight and use state-of-the-art, solid state circuity to invert a 28 VDC input to either a 115 VAC, 60 Hz or a 230 VAC, 50 Hz sine wave output. These units can be used to power laptop computers, audio/video entertainment systems, portable media players, microwave ovens, coffee makers, and medical equipment in airborne applications.

- Crystal controlled oscillator design provides output frequency stability
- Pulse width-modulated square wave to sine wave power conversion scheme offers efficient, reliable, and quiet operation

Input voltage:	Range: 20–36.5 VDC Nominal: 28 VDC
Output waveform / phase:	Sine wave / single phase
Harmonic Distortion:	0.5% nominal
Power factor:	0.8 to -0.8
Efficiency:	87% nominal (SS50: 85% nominal)
Response time:	300 µSec (no load to full load)
Regulation:	1% line, 1% load, 2.5% temperature
Overload capacity:	110% of rated power for 2 hr 150% of rated power for 5 min. (SSA120 = No Overload)
Protection circuit:	The inverter will shutdown under the following conditions: Input voltage > 37.5 ± 1 VDC, Input voltage < 18 VDC ± 1.5 VDC Internal high ambient temperature Short circuit condition (after 2 to 15 sec) manual reset
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Cooling:	Thermostatically controlled brushless fan (above 50°C)
Compliance:	FAA TSO-C73

EDMO#	MFR#	OUTPUT POWER	OUTPUT CURRENT	DIMENSIONS	WEIGHT
SB SERIES: 50 HZ | OUTPUT (VAC): 230					
SB100	SB100	1000 VA	4.3A RMS	3.4 x 12 x 6.34 in	7.4 lb
SB101	SB101	1000 VA	4.3A RMS	3.4 x 12 x 6.34 in	7.4 lb
SB120	SB120	1200 VA	5.2A RMS	3.4 x 12 x 6.34 in	7.7 lb
SB200	SB200	2000 VA	8.7A RMS	6.23 x 14 x 6.51 in	17.7 lb
SS SERIES: 60 HZ | OUTPUT (VAC): 115					
SS40	SS40	400 VA	3.47A RMS	8.15 x 6.34 x 2.75 in	3.6 lb
SS100	SS100	1000 VA	8.6A RMS	3.4 x 12 x 6.34 in	7.4 lb
SS101	SS101	1000 VA	8.6A RMS	3.4 x 12 x 6.34 in	7.4 lb
SS120	SS120	1200 VA	10.3A RMS	3.4 x 12 x 6.34 in	7.7 lb
SS120C*	SS120(C)	1200 VA	10.3A RMS	3.4 x 12 x 6.34 in	7.7 lb
SS200	SS200	2000 VA	17.4A RMS	6.23 x 14 x 6.51 in	17.7 lb
SS200D	SS200D	2000 VA	17.4A RMS	6.51 x 14 x 6.23 in	17.7 lb
SS50	SS50	500 VA	4.34A RMS	3.5 x 9.5 x 6.34 in	4.3 lb

**Identical to SS120 except an in/out connector and remote on/off logic.*

SPS-306 STATIC INVERTER

KGS ELECTRONICS INC

EDMO# SPS-306
MFR# SPS-306



The SPS-306 is a 60 Hz static inverter ideal as an AC power source for powering audio and video equipment, portable computers, stereo systems, and telecommunication equipment in aircraft that have 14 or 28 volt electrical systems. The SPC series inverters maybe installed in parallel for applications requiring greater capacity.

Weight:	18 lb
Dimensions:	7.75 x 12 x 4.0 in
Input current:	28 VDC @ 10.5A

Input voltage:	28 VDC ± 2 volts. Withstands 88V transient for 1 ms
Output voltage:	115 VAC
Output power:	300 VA
Frequency:	60 Hz
Power factor:	0.8 to 1.0
Amplitude distortion:	Less than 7%
Waveform & phase:	Sine wave / single phase
Short circuit:	Will withstand 1 minute
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Certification:	FAA TSO-C73

SEA150 THREE PHASE STATIC INVERTER

KGS ELECTRONICS INC
EDMO# SEA150
MFR# SEA150



The SEA150 provides 1500 VA, 3-phase power using state-of-the-art, solid state circuitry to invert a 28 VDC input to a 115/200 VAC, 400 Hz, 3-phase sine wave output. The SEA150 is designed to power airborne and ground instruments, compasses, gyros, radar, and navigation equipment.

- Crystal-controlled oscillator for output frequency stability
- Pulse width-modulated square to sine wave power conversion scheme
- Circuit protection: over-voltage, low voltage shutdown, short circuit, and temperature protection
- FAA TSO-C73 compliant

Weight:	15.7 lb
Dimensions:	6.51 x 6.23 x 14 in
Current:	1.5 ADC nominal at no load 63 ADC at 1.5 KVA at 28 VDC
Output:	SEA150: 115/200 VAC and 26 VAC SEA150C: 115/200 VAC
Power:	1500 VA (500 VA per phase)
Frequency:	400 Hz ± 0.4 Hz
Waveform & phase:	Sine wave / three phase
Harmonic Distortion:	2.5% nominal
Power factor:	0.8 to -0.8
Efficiency:	87% nominal
Response time:	300 µSec (no load to full load)
Regulation:	1 % Line, 1 % Load, 2.5 % Temperature
Overload:	110% of rated power for 2 hr 150% of rated power for 5 min
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Environmental:	DO-160C Env. Cat. F2ZBB[LV] E1XXXXXBXAXXXZXXX
Compliance:	FAA TSO-C73

EDMO#	MFR#	OUTPUT (VAC)
SEA150	SEA150	115/200 VAC and 26 VAC
SEA150C	SEA150C	115/200 VAC

SD35 EL PANEL INVERTER

KGS ELECTRONICS INC
EDMO# SD35
MFR# SD35



The SD35 electroluminescent (EL) pulse width-modulated DC to AC converter provides regulated 0 to 115 VAC power up to 3.04 amperes for EL panel lighting. The SD35 powers approximately 2000-2600 in2 area of an EL panel.

- Output voltage is varied by a slider voltage 0-5 VDC applied at pin F from a remote control potentiometer 5KΩ 1/2 watt to ground or directly from a 0-5 VDC source
- Internal trim pot provided to adjust the output voltage ±10% at its full clock-wise position of the external pot
- Circuit protection: low input voltage shutdown, soft start, high input voltage shutdown, output over voltage limit and output short circuit current limit

Weight:	5.3 lb
Dimensions:	3.45 x 8.25 x 3.45 in
Input voltage:	18 VDC nominal, 24–32 VDC
Input current:	6.7A typical at 350 VA El load @ 28V 2.8A maximum @ no load
Output voltage:	0–115 VAC regulated
Output current:	0–3.04A continuous
Power:	350 VA maximum for EL panel
Power factor:	0 to 0.2 leading (capacitive)
Frequency:	400 Hz ± 2%
Distortion:	5% typ at 28 VDC for 350 VA, -0.2pf load
Regulation:	5% for load, 3% for line and 3% for temperature
Control:	Output voltage 0-115 VAC is controlled by an external 5K potentiometer or a 0-5 VDC source applied at pin F
Overload capacity:	Deliver 150% output power for 5 min.
Soft start:	Minimum soft start delay of 100 mSec at full load is provided during an application of step input.
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Connector:	Mates with MS3106A18-9S

FJ20 AC-TO-AC INVERTER

KGS ELECTRONICS INC
EDMO# FJ20
MFR# FJ20



The FJ20 is a pulse width-modulated AC to AC power inverter that provides up to 40 amperes of regulated AC power from 0 to 5 volts at 400 Hz. The output voltage is controlled by a 0 - 5 VDC slide switch which applies voltage at pin M from a 10kΩ potentiometer 1/2 watt to ground or directly from a 0–5 VDC source.

An internal pot is provided for adjusting the output voltage within 10% at its full clockwise position of the external pot. The FJ20 inverter also offers circuit protection with low voltage shutdown, soft start, high voltage shutdown, output over-voltage and current limiting.

Weight:	5.3 lb
Dimensions:	4.6 x 4.42 x 6.46 in
Input voltage:	115 VAC @ 400 Hz nominal (105–125 VAC)

*continued on next page

Input current:	2.8A @ 115V input
Output voltage:	0–5 VAC @ 400 Hz, regulated
Output current:	0–40A, continuous
Frequency:	400 Hz ± 2%
Power:	200 Watts
Distortion (THD):	7% Max at full load and @ 115 VAC input
Overload:	150% output for 5 min. Withstands without damage or degradation load exceeding 150% to an output short circuit
Regulation:	7% for load, 2% for line and 3% for temperature
Control:	Output 0–5 VAC controlled by a 0–5 VDC voltage from the slider of an external 10KΩ pot or directly from a 0–5 VDC voltage source
Short circuit protection:	Under output short circuit condition, input current folds back and the output current is limited to a safe value
Over voltage protection:	Output voltage is limited to 145 VAC, maximum
Soft Start:	Minimum soft start delay of 100 mSec at full load is provided during an application of step input voltage to reduce output in rush current to the load
Shutdown:	Output shuts down when input voltage is below 95(± 10) VAC and above 135(±10) VAC
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Connector:	Mates with MS3106A28-9S
Finish:	Gold iridite per MIL-C-5541 Class 1A

MPS28-115 DC-TO-AC MINI PORTABLE INVERTER

DEKLIN TECHNOLOGIES, INC
EDMO# MPS28-115
MFR# MPS28-115



The MPS28-115 Mini Power Supply is a lightweight, compact, and portable inverter/power supply that can supply up to 200 VA peak power for five minutes.

- 150 VA continuous output
- 200 VA peak power for 5 minutes
- Provides short circuit & overload protection. Easy access to a user replaceable fuse

Weight:	1.08 lb
Dimensions:	6.06 x 2.87 x 1.77 in
Input voltage:	Range: 22–30 VDC Nominal: 28 VDC
Input current:	10A (max) at 200 VA, 7.5A nominal
Output voltage:	115 VAC
Output frequency:	60 Hz
Output power:	Continuous: 150 VA Peak: 200 VA for 5 minutes Surge: 200 VA
Output waveform:	Modified sine wave
Efficiency:	90%
Battery low alarm:	22 VDC ± 0.5 VDC
Battery low shutdown:	21 VDC ± 0.5 VDC
Thermal protection:	176°F (80°C)
Overload protection:	Yes
Short circuit protection:	Yes

MPS28-300 DC-TO-AC MINI PORTABLE INVERTER

DEKLIN TECHNOLOGIES, INC
EDMO# MPS28-300P
MFR# MPS28-300P



The MPS28-300 Power Supply provides 300 VA continuous output in a compact, portable, and lightweight unit.

- 400 VA peak power for 5 minutes
- Lightweight, compact, and portable
- Provides short circuit and over load protection and easy access to a user replaceable fuse
- 400 VA surge power

Weight:	1.76 lb
Dimensions:	5.9 x 4.13 x 1.77 in
Input voltage:	Range: 22–30 VDC Nominal: 28 VDC
Input current:	0.4A
Output voltage:	115 VAC
Output frequency:	60 Hz
Output power:	Continuous: 300 VA Peak: 500 VA for 5 minutes Surge: 400 VA
Output waveform:	Modified Sine Wave
Efficiency:	90%
Battery low alarm:	22 VDC ± 0.5 VDC
Battery low shutdown:	21 VDC ± 0.5 VDC
Thermal protection:	176°F (80°C)
Overload protection:	Yes
Short circuit protection:	Yes

CONVERTERS

TC280 AC-TO-DC CONVERTER

TRUE BLUE POWER
EDMO# TC280
MFR# 6430280-1



The TC280 AC-to-DC Converter produces 280 watts of power from an aircraft's 115 VAC input. This unit is engineered to run cooler than similar units and uses a fanless design to reduce weight and require less energy. The TC280 is capable of powering electronic equipment throughout the aircraft including in-seat, cabin and cockpit power applications.

- Input transient, overload and short circuit protection
- Over 88% efficient
- Remote On/Off

Weight:	2.0 lb
Dimensions:	6.04 x 5.94 x 2.02 lb
Case:	Anodized aluminum extrusion, blue
Input voltage:	115 ± 10 VAC, 350–800 Hz
Input current:	2.8A nominal

Output voltage:	28 VDC ± 3%
Output power:	280 watts
Regulation:	2% load, 2% temperature
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Mating Connector:	MS3106A-18-9S
Certification:	FAA TSO-C71 certified RTCA DO-160G qualified

TC230 SERIES DC-TO DC CONVERTER

TRUE BLUE POWER



The TC230 DC-to-DC Converter allows an aircraft with a 14-volt electrical system to power 28-volt avionics, instruments, and accessories, including radios, GPS and electronic equipment. The TC230 step-up converter provides 230 watts of power in a small and lightweight package.

- Input transient, overload and short circuit protection, temperature monitoring, reverse polarity
- 90% efficient

Weight:	0.70 lb
Dimensions:	3.375 x 2.75 x 1.29 in
Case:	Anodized aluminum, blue
Input voltage:	10–18 VDC
Input current:	18.0A nominal
Output voltage:	28 VDC
Output power:	130 watts
Regulation:	1% load, 2% temperature
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 70°C (-67°F to 158°F)
Mating Connector:	P/N 9018654 (6430234-1) P/N 9018655 (6430234-2)
Certification:	FAA TSO C71 certified RTCA DO-160G qualified

EDMO#	MFR#	FEATURE
6430234-1	6430234-1	-
6430234-2	6430234-2	Remote on/off (included)

TC240 SERIES DC-TO-DC CONVERTERS

TRUE BLUE POWER



The TC240 DC-to-DC Converter produces 240 watts of power from the aircraft's 28-volt VDC input. It features a variable output voltage ranging from 5 VDC – 18 VDC for powering electronic equipment throughout the aircraft — including in-seat, cabin and cockpit power applications. The TC240 DC power converter is suitable for nearly any common general, business, or commercial aviation applications

- Input transient, overload and short circuit protection, reverse polarity protection, and temperature monitoring
- 95% efficient
- Mounts in the floor, cabin wall, or outside the pressure vessel

Weight:	0.7 lb
Dimensions:	3.375 x 2.75 x 1.29 in
Case:	Anodized aluminum, blue
Input voltage:	22–32 VDC
Input current:	10.0A nominal
Output voltage:	5–18 VDC adjustable
Output power:	240 watts
Regulation:	1% load, 2% temperature
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 70°C (-67°F to 158°F)
Mating connector:	P/N 9018654 (included)
Certification:	FAA TSO C71 certified RTCA DO-160G qualified

EDMO#	MFR#	FEATURE
6430240-1	6430240-1	-
6430240-2	6430240-2	Remote on/off (included)

TC120 SERIES DC-TO-DC CONVERTERS

TRUE BLUE POWER



The TC120 DC-to-DC Converter produces 120 watts of power from an aircraft's 28 VDC input and is capable of powering equipment throughout the aircraft including lighting and cabin accessories. The unit uses a fanless design that results in a reduction in weight while saving energy.

- Supplies 120 watts of DC power
- Adjustable 5–18 VDC output
- Compact design and lightweight
- Input transient, overload and short circuit protection, temperature monitoring, reverse polarity
- 95% efficient

Weight:	0.65 lb
Dimensions:	3.375 x 2.75 x 1.29 in
Case:	Anodized aluminum, blue
Input voltage:	24–32 VDC
Input current:	5.0A nominal
Output voltage:	5–18 VDC adjustable
Output power:	120 watts
Regulation:	1% load, 2% temperature
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 70°C (-67°F to 158°F)
Mating connector:	MCI P/N 9018651 (included)
Certification:	FAA TSO-C71 certified RTCA DO-160G qualified

EDMO#	MFR#	FEATURE
6430120-1	6430120-1	-
6430120-2	6430120-2	Remote on/off (included)

LH14 TSO REGULATED DC-TO-DC POWER CONVERTER

KGS ELECTRONICS INC
EDMO# LH14
MFR# LH14



The LH14 is a pulse-width modulated DC to DC converter that provides regulated 0 to 28 VDC power up to five amperes. The output voltage is varied be a slider voltage (0 to 5 VDC) applied at pin D from a remote-control potentiometer. An internal trim pot is provided for adjusting the output voltage within 26.5 VDC to 29.5 VDC.

- Circuit protection includes: low input voltage shutdown, soft start, high input voltage shutdown, output over voltage limit, and output short circuit current limit

Weight:	0.95 lb
Dimensions:	2 x 3.18 x 5.25 in
Input voltage:	28 VDC (nominal) @ 22–36 VDC
Input current:	5.8A (typical) @ 28 VDC & @FL 0.2A (maximum) @ no load
Output voltage:	0–28 VDC (regulated)
Output current:	0–5A (continuous)
Ripple:	50 mVpp maximum
Regulation:	3% for load, 2% for line, 3% for temperature
Efficiency:	85% (typical)
Attitude	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-67°F to 158°F)
Connector:	Unit mates with MS3126F14-5S
Finish:	Gold iridite per MIL-C-5541 Class 1A
Certification:	FAA TSO-C71

LT SERIES DC-TO-DC POWER CONVERTERS

KGS ELECTRONICS INC



LT-48A

The LT Series pulse width-modulated DC-to-DC power converters provide regulated DC power from an unregulated 28 VDC input for controlling the intensity of incandescent aircraft lighting. The DC output voltage is controlled remotely by potentiometer or 0-5 VDC reference voltage.

- Provides fully regulated overvoltage and overload protection, and current limiting
- Lightweight and compact design
- Maximum output voltage is adjustable via an internal trim pot
- Meets various applicable portions of MIL-STD 704 notice 3, MIL-STD-202C and MIL-T-5422F class 1A

Weight:	1.5 lb LT-4x: 0.3 lb LT-50: 1.1 lb LT-55: 1.2 lb LT-71: 1.5 lb LT-353/3100/3103: 3.6 lb
Dimensions:	2.3 x 2.3 x 5.8 in LT-4x: 1.6 x 2 x 5 in LT-50: 2 x 2.26 x 6.88 in LT-55: 3.43 x 5.1 x 2.6 in LT-71: 2.3 x 2.4 x 6.8 in LT-353/3100/3103: 6.5 x 6.7 x 2.4 in
Input voltage:	28 VDC nominal
Regulation:	25 for line, 2% for load, 2% for temperature
Ripple:	25 mVpp LT-4x: 8 mVpp LT-50: 50 mVpp LT-71: 50 mVpp
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-67°F to 158°F) (sufficient cooling required @ 71°C ambient)
Compliance:	FAA TSO-C71

EDMO#	MFR#	MAX VA RATING	OUTPUT VOLTAGE	OUTPUT CURRENT
28 VDC INPUT				
LT-45	LT-45	70VA	0–28 VDC	2.5A DC
LT-45C	LT-45	70VA	0–28 VDC	0—2.5A
LT-45D	LT-45(D)	100 VA	0–28 VDC	3.6A DC
LT-45N	LT-45(N)	70 VA	0—28 VDC	3.6 DC
LT-46C	LT-46(C)	50 VA	12 VDC fixed	4.2A DC
LT-46D	LT-46D	50 VA	0–12 VDC	4.1A DC
LT-48A	LT-48A	37.5 VA	0–5 VDC	7.5A DC
LT-48D	LT-48(D)	50 VA	0–5 VDC	10A DC
LT-48E	LT-48(E)	50 VA	0–5 VDC	10A DC
LT-50	LT-50	40 VA	0–5 VDC	8.2A DC
LT-52A	LT-52A	50 VA	0–5 VDC	10A DC
LT-53	LT-53	50 VA	0–5 VDC	10A DC
LT-55A	LT-55A	75-120 VA	0–5 VDC	0–15A DC
LT-55B	LT-55(B)	75-120 VA	0–5 VAC or VDC	0–15A DC
LT-55C	LT-55(C)	75-120 VA	0–5 VDC	0–15A DC
LT-71	LT-71	112 VA	14 VDC	8A DC
LT-71A	LT-71A	112 VA	14 VDC	8A DC
LT-71B	LT-71B			
LT-100	LT-100	100 VA	0–28 VDC	3.6A DC
LT-253-400	LT-253-400	100 VA	0–5 VDC (two parallel)	0–20A DC
LT-353	LT-353	150 VA	0–5 VDC (three)	30A DC
LT-3103-4	LT3103-4	300 VA	0–5 VDC (three)	11A DC
LT-103	LT-103	100 VA	0–28 VDC	3.6A DC
LT-3100	LT-3100	300 VA	0–28 VDC (three)	11A DC
LT-3103	LT-3103	300 VA	0–28 VDC (three)	11A DC

MATING PLUGS

LT-52A: KPT-06A-14-5S	LT-50: MS3126F14-5S
LT-53: KPT-06A-14-5S	LT-55A/B/C: MS3106A16-1S
LT-45D: MS3106A14S-5S	LT-71: MS3106A14S-5S-X
LT-46C: MS3126W14-5S	LT-71B: MS3106A14S-5S-X
LT-46D: MS3106E14S-5S	LT-100: MS3106A14S-5S
LT-48A: MS3126E14-5S	LT:71A: KPT-06B-14-5S
LT-48B: MS27473T-10B-5S	LT-253-400: MS3106A14S-6S
LT-48D: MS3126E14-5S	LT-353: MS3106AI6S-IS (J1); MS3106A14S-6S (J2)
LT-48E: MS3126E14-5S	LT-103: MS3106A14S-5S
	LT-3100: MS3106AI6S-IS (J1); MS3106A14S-6S (J2)
	LT-3103: MS3106AI6S-IS (J1); MS3106A14S-6S (J2)

RECEPTACLES

LT-52A: PT-02E-14-5P	LT-48E: KPT02A14-5P
LT-53: PT-02E-14-5P	LT-71: MS3102A14S-5P-X
LT-45D: MS3102A14S-5P	LT-71A: PT-02E-14-5P
LT-46C: KPT02A14-5P	LT-71B: MS3102A14S-5P-X
LT-46D: MS3102A14S-5P	LT-100: MS3102A14S-5P
LT-48A: KPT02A14-5P	LT-353: MS3102AI6S-IP (J1); MS3102AI4S-6P (J2)
LT-48B: JT02A-10-5P- (O14)	LT-103: MS3102A14S-5P
LT-48D: KPT02A14-5P	LT-3100: MS3102AI6S-IP (J1); MS3102AI4S-6P (J2)
	LT-3103: MS3102AI6S-IP (J1); MS3102AI4S-6P (J2)

RB125 DC-TO-DC POWER CONVERTER

KGS ELECTRONICS INC
EDMO# RB125
MFR# RB125



The RB125 pulse width-modulated DC-to-DC converter provides up to 5 amperes of regulated 28 volt DC power from a 12 volt battery source. The RB series is designed to be used in an aircraft with a 12 volt electrical system to power 28 volt equipment during periods when the battery is not charged.

- State of the art design for regulation and positive logic for output overvoltage protection
- Output is adjustable to 28 ± 2 VDC via an internal trim pot
- Designed to meet various applicable portions MIL-STD 704 notice 3, MIL-STD-202 and MIL-T-5422F class 1A

Weight:	1.5 lb
Dimensions:	2.3 x 2.3 x 5.8 in
Input voltage:	11–16 VDC
Input current:	11–14A
Output voltage:	28 VDC
Output current:	5A
Ripple:	50 mVp-p plus input ripple
Regulation:	2% for line, 2% load, 2% temperature
Overload:	Output voltage collapses to input DC voltage when load exceeds approx. 6.5 to 7.5 amps
Efficiency:	87%
Load Transient Response:	2V max. overshoot for 40 mSec typ. from FL to NL 4V max. undershoot for10 mSec. typ.from NL to FL
Protection:	Overvoltage circuit limits output to approx. 33 VDC
Altitude:	55,000 ft
Temperature range:	-55°C to +71°C (sufficient cooling required @ +71°C) 25 SCFM of air or base plate temperature held @ 71°C
Receptacle:	MS3102A14S-5P
Mating Connector:	MS3106A14S-5S
Certification:	FAA TSO-C71

RG56 DC-TO-DC POWER CONVERTER

KGS ELECTRONICS INC
EDMO# RG56
MFR# RG56



The RG56 high powered, DC-to-DC converter provides 560 watts of regulated 14 VDC voltage output from a 28 VDC input. The 14 VDC output is "buck converted", therefore the input and output voltages are not isolated from each other. Current Mode Switching topology combined with Surface Mount technology (SMT) realizes the power conversion, while a synchronous PWM controller provides voltage regulation and overload current limit.

- Circuit protection includes: output short circuit limit and shuts down with the voltage feedback loop is opened.
- FAA TSO-C71 compliant

Weight:	2.5 lb
Dimensions:	4.3 x 6.88 x 2.75 in
Input voltage:	28 VDC nominal, 22–32 VDC
Input current:	23A @ 28 VDC input & at full load 0.5A @ maximum at no load
Output voltage:	14 VDC, regulated
Output current:	0-40A, continuous
Regulation:	5% for load, .5% for line and 3% for temperature
Overload:	Deliver 110% output power for 2 hours
Efficiency:	90%
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-67°F to 158°F)
Cooling:	Forced air cooling (internal fan) and thermal conduction through bottom plate
Finish:	Gold iridite per MIL-C-5541 Class 1A
Certification:	FAA TSO-C71

RG40 DC-TO-DC POWER CONVERTER

KGS ELECTRONICS INC
EDMO# RG40
MFR# RG40



The RG40 DC-to-DC switch-mode converter produces a regulated 13.75 VDC output voltage from a 27.5 VDC input. This converter meets FAA technical standard order TSO-C71 for air carrier aircraft.

- Two or more RG40 units maybe connected in parallel for additional power
- Circuit protection: Reverse polarity, overvoltage, under voltage, and temperature protection

Weight:	3.5 lb
Dimensions:	9.5 x 6.9 x 3.38 in
Input voltage:	22–41 VDC, 27.5 nominal
Input current:	18.1A DC at full load
Output voltage:	13.75 VDC
Output current:	30.0A DC
Ripple:	13.75 mV
Regulation:	1% line,1% load, 1% temperature
Overload:	110% of the rated output power for a period of two hours; 150% of the rated output power for a period of 5 minutes (1 min. at 70°C ambient temperature). Without damage or degradation, the converter will withstand a sustained short circuit and provide 200% of the rated output current for a period of one minute.
Efficiency:	80% minimum
Transient Response:	NL to FL condition: 4.0 Vp undershoot for 5.0 mSec. (nominal) FL to NL condition: 2.0 Vp overshoot for 5.0 mSec. (nominal)
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)

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RG28 DC-TO-DC POWER CONVERTER

KGS ELECTRONICS INC
EDMO# RG28
MFR# RG28



The RG28 DC-to-DC power converter delivers 280 watts of regulated 14 VDC power from a 28 volt input. Synchronous Current Mode Switching topology combined with Surface Mount technology (SMT) realizes the power conversion, while a synchronous PWM controller provides voltage regulation and overload current limit.

- Circuit protection includes: output short circuit limit and shuts down with the voltage feedback loop is opened.

Weight:	1.2 lb
Dimensions:	2.75 x 6.875 x 2.24 in
Input voltage:	28 VDC nominal, 22–32 VDC
Input current:	0.3A @ no load, maximum
Output power:	280 watt continuous 420 watt for a minimum of 5 minutes
Regulation:	1% for line, 1% for load and 1% for temperature
Overload:	Deliver 110% output power for 2 hours minimum
Efficiency:	92%
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-67°F to 158°F)
Cooling:	Convection and thermal conduction through the bottom plate (No internal fan)
Certification:	FAA TSO-C71

EDMO#	MFR#	INPUT (VAC)	CURRENT (CONT.)	OUTPUT (VDC)
RG28	RG28	28 VDC	0-20 A	14 VCD
RE228B	RG28(B)	28 VAC	0-20 A	19 VDC

RHB40 DC-TO-DC POWER CONVERTER

KGS ELECTRONICS INC
EDMO# RHB40
MFR# RHB40



The RHB40 is primarily designed for 28 VDC buss systems to deliver regulated 24 VDC power. The RHB40 will operate from an input voltage range of 12-24 VDC with continuous output current up to 16.6 amps and 190% overload current capability (31.5 amps). The RHB40 is designed to maintain on-line critical equipment and instruments during engine starts. For input voltages greater than 24 VDC, the unit operates in a conduction or override mode to deliver up to 35 amperes of continuous output current.

- Circuit protection: overload, short circuit, and temperature protection

Weight:	4.4 lb
Dimensions:	4 x 4.2 x 8.25 in
Input voltage:	12-24 VDC regulated 8-30.5 VDC extended range
Input current:	31A @ 14 VDC input, full load 37A @ 12 VDC input, at full load 0.5A @ no load, maximum
Output voltage:	24 VDC regulated >22 VDC, 633 watts for8 VDC input Follows input voltage above 24 VDC (override mode)
Output current:	16.6A continuous 31.5A for one minute
Power:	400 watts continuous for input from 12 to 24 VDC 633 watts for 20 seconds at VDC input 750 watts for 1 minutes at 12 VDC or higher input
Regulation:	3% for load, 2% for line and 3% for temperature
Overload:	70 Amp for 15 Sec 140 Amp for 2 Sec 210 Amp for 1 Sec Or until a 35 Amp input circuit breaker trips
Efficiency:	92% @ 14 VDC
Operation:	Two modes; Switching or Regulation and Override or Conduction
Altitude:	55,000 ft
Temperature range:	Operating: -45°C to 70°C
Finish:	Gold iridite per MIL-C-5541, Class 1A
Certification:	FAA TSO-C71

RH28 DC-TO-DC POWER CONVERTER

KGS ELECTRONICS INC
EDMO# RH28
MFR# RH28



The RH28 provides 280 watts of regulated 28 VDC power from a 14 VDC input and up to 10 amperes. Current Mode Switching topology combined with Surface Mount technology (SMT) realizes the power conversion, while a synchronous PWM controller provides voltage regulation and overload current limit.

- Circuit protection includes: output short circuit limit and shuts down with the voltage feedback loop is opened.

Weight:	1.3 lb
Dimensions:	2.75 x 6.875 x 2.24 in
Input voltage:	12-28 VDC
Input current:	21.8A @ 14 VDC, full load 0.5A @ no load, maximum
Output voltage:	28 VDC from 8-28 VDC input, switch mode
Output current:	0–10A continuous 15A for 5 minutes
Power:	280 watts from 12-28 VDC input 420 watts or 5 minutes at 14 VDC input
Regulation:	1% for line, 1% for load and 1% for temperature
Efficiency:	92%
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-67°F to 158°F)
Cooling:	Convection and thermal conduction through the bottom plate (No internal fan)
Finish:	Gold iridite per MIL-C-5541 Class 1A
Certification:	FAA TSO-C71

PH28 AC-TO-DC CONVERTER

KGS ELECTRONICS INC
EDMO# PH28
MFR# PH28



The PH28 is a pulse width modulated AC to DC power converter that provides regulated 4 to 28 VDC output with up to 10 amperes of continuous output current. This converter is primarily designed for 115V/400 Hz aircraft systems to deliver variable 4 to 28 VDC power to incandescent lamps or LED loads for airborne/ground instruments, navigation and electronic systems. The unit can also be used as a fixed output voltage source between 14 VDC and 28 VDC.

The DC output is factory calibrated to 28 VDC at the receptacle for a 10 amp load. The output voltage level is controlled manually by the duration of grounding the dim or bright control pin through an external momentary On/Off toggle switch.

Weight:	3.5 lb
Dimensions:	4.3 x 6.87 x 2.75 in
Input voltage:	115 VAC, 380 Hz — 800 Hz
Input current:	3.6 Amps typical at 115 Vac & at FL, .4 Amps @ NL
Output voltage:	4-28 VDC regulated - Grounding Pin G (Up) or Pin A (Down)
Output current:	10 Amps continuous 15 Amps intermittent
Regulation:	2% for load, 1% for line and 2% for temperature
Efficiency:	85% typical
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-67°F to 158°F)
Cooling:	Forced air cooling (fan used) and thermal conduction through bottom plate
Finish:	Gold iridite per MIL-C-5541 & black paint

A4812 & N2412 SERIES DC-TO-DC CONVERTERS

ASTRON CORPORATION



2412-12

The N2412 and A4812 Series DC-to-DC power converters are designed to for use with FM transceivers and other applications requiring a 12 volt power source converter from a 24 volt battery.

- Over-voltage, over-current, and short Circuit Protection
- Terminal Block Connectors
- Converter maybe turn on and off with the ignition switch

Weight:	2412-12: 1.8 lb 2412-24: 2.0 lb A4812-24: 2.0 lb
Dimensions:	2412-12: 2 x 6.2 x 6 in 2412-24: 2 x 6.2 x 7 in A4812-24: 2 x 6.2 x 7 in
Output voltage:	13.8 VDC
Ripple:	20 mVRMS
Regulation:	2412-12: 0.03 VDC 2412-24: 0.04 VDC A4812-24: 0.04 VDC
Overload:	17 VDC
Efficiency:	88%

EDMO#	MFR#	INPUT (VAC)	CURRENT (CONT.)	CURRENT (PEAK)
2412-12	N2412-12	22 – 32 VAC	10 A	12 A
2412-24	N2412-24	22 – 32 VAC	20 A	24 A
A4812-24	A4812-24	30 – 56 VAC	18 A	24 A

FD15 E/L PANEL CONVERTER

KGS ELECTRONICS INC
EDMO# FD15
MFR# FD15



The FD15 pulse width-modulated AC-to-AC power converter provides regulated 0 to 115 VAC, 400 Hz power up to 1.3 amperes for electroluminescent (EL) panel lighting. The FD15 will power approximately 750 in^2 to 1000 in^2 of EL panel. Variable slider voltage from 0 – 5 VDC is applied from pin E by an external 10KΩ potentiometer to a 1/2 watt to ground or directly from 0 - 5 VDC voltage source.

- Internal trim pot adjusts the output voltage within ±10% from full clockwise position
- Circuit protection includes: low voltage shutdown, soft start, high input shutdown, output over-voltage limit, and output short circuit current limit

Weight:	5.1 lb
Dimensions:	3.9 x 4.38 x 8.5 in
Input voltage:	105–125 VAC
Input current:	0.73A at 150 VA EL load at 115V, typical
Output voltage:	0–115 VAC, 400 Hz
Output current:	0–1.3A, continuous
Frequency:	400 Hz ± 2%
Power:	150 VA
Power factor:	0 to -0.2 leading (capacitive)
Distortion:	3% at 75VA & 7% at 150VA typical
Regulation:	7% for load, 3% for line and 3% for temperature
Overload:	150% output power for 5 min.
Isolation	The output is isolated from the input
Control:	Output 0-115 VAC is controlled by a 0-5 VDC voltage from the slider of an external 10KΩ pot or directly from a 0-5 VDC voltage source
Soft start:	Minimum soft start delay of 100 mSec at full load is provided during an application of step input voltage to reduce output in rush current to the EL panel.
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-67°F to 158°F)
Connector:	Mates with MS3106A16S-1 S
Finish:	Gold iridite per MIL-C-5541 Class 1A

HS & HB SERIES FREQUENCY CONVERTERS

KGS ELECTRONICS INC



HB120

The HS and HB Series frequency converters use solid state circuitry to provide either a 115 VAC/60 Hz or 230 VAC/50 Hz sine wave output from a 115/200 VAC, 3 phase, 400 Hz input. These frequency converters feature a crystal-controlled oscillator for output frequency stability and a pulse width-modulated square to sine wave power conversion scheme for efficient and reliable operation.

- Designed to power laptop computers, A/V entertainment systems, portable electronic, microwave ovens, coffee makers and medical equipment in mobile and ground transportation applications.
- Circuit protection: over-voltage, under voltage, temperature, and short circuit

Weight:	HB120: 7.5 lb HS120: 7.5 lb HS200: 17.7 lb
Dimensions:	HB120: 12 x 11.25 x 10.6 in HS120: 12 x 11.25 x 10.6 in HS200: 6.51 x 14 x 6.23 in
Input voltage:	115/200 VAC ± 10 VAC, 3 phase
Input frequency:	400 Hz ± 100 Hz, (HS/HB120) 400 Hz ± 200 Hz, (HS200)
Waveform & phase:	Sine wave / single phase
Harmonic distortion:	0.5%
Power factor:	+0.8 to -0.8
Regulation:	1% Line, 1% Load, 2.5% Temperature
Overload:	110% of the rated output power for a period of 2 hours; 150% of the rated output current for a period of 5 minutes (minimum). When the operating temp. >55°C, the overload setting is internally limited to 135% ± 10% of the rated output power
Efficiency:	87%
Response time:	300 uSec (no load to full load)
Remote on/off:	Yes
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Cooling:	Thermostatically controlled, brushless fan

EDMO#	MFR#	OUTPUT VOLTAGE	CURRENT	FREQUENCY
1000 VA				
HS100	HS100	115 Vrms	8.7A rms	60 Hz
1200 VA				
HB120	HB120	230 Vrms	5.2A rms	50 Hz
HS120	HS120	115 Vrms	10.4A rms	60 Hz
HS120A	HS120(A)	115 Vrms	10.4 A rms	60 Hz
2000 VA				
HS200	HS200	115 VAC	-	50 Hz

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BIG DOWN CONVERTER

LONE STAR AVIATION

EDMO# LS0305001B
MFR# LS03-05001-B



The BIG Down Converter is a FAA TSO approved DC-DC down converter with a reputation for being a highly reliable power supply. This converter is designed to operate as a step up or a step down power converter. The main converter provides 28 VDC to 13.8 VDC up to a maximum of 10/12P amps which can operate 13.8 VDC equipment in a 28 volt aircraft. Additional outputs provide the STEP DOWN converter 5, 7.5, 9, 13.8, 16, 19, 24, 28 VDC. The step up option is available for special order which provides 14 volts to 5, 7.5, 9, 13.8, 16, 19, 24, 28 VDC. Designed with a 96% efficient DC power module, the multiple output voltages offer OV, OC, OT, SC, RP protections.

Weight:	0.5 lb
Dimensions:	5.06 x 0.99 x 3.35 in
Input voltage:	14/28 VDC
Input current:	2—15 amps
Output voltages:	5, 7.5, 9, 13.8, 16, 19, 24, 28 VDC
Output current:	4A/5A Peak, 7A/8A Peak, or 10/12A Peak
Certification:	FAA TSO Approved, RTCA DO160G Tested

CONNECTOR KITS

LONE STAR AVIATION



LS0305026

This plastic converter connector kit with solder cup is a plastic connector hood with a back-shell, 4-40 hardware and 25-pin D-sub and high current pins. Designed for Lone Star Aviation's line converter, the kit features a ruggedized connector back-shell that will protect the DC converter, db connector and pins from airborne harsh environments.

EDMO#	MFR#	
LS03050261	LS03-05026-1	LS0305001B Connector kit: plastic, solder cup, 4-pin, 10A
LS0305026	LS03-05026	LS05003 Connector kit: plastic, solder cup, 5-pin, 10A

10 AMP NOISE ELIMINATOR FILTER

LONE STAR AVIATION

EDMO# 122253-10A
MFR# 122253-10A



This DC eliminator noise filter is FAA-PMA approved solution for reducing interference from alternators, strobe and rotating beacons, AC HVAC, DC motors, electronic fuel pumps and any other electrical components prone to producing noise. This device protects on-board aircraft electronics from power surges and spikes.

Weight:	30 oz
Dimensions:	8 x 6 x 4 in
Power rating:	10 amps @ 32 VDC

FAA-PMA MAGNETO NOISE FILTER

LONE STAR AVIATION
EDMO# LS0301010
MFR# LS03-01010



This magneto noise filter suppresses EMI-RFI noise. It is connected to the primary P-Lead and grounds at the magneto metal twist cap and magneto body. This device has a feed-through design with a self-healing film capacitor technology which greatly extends reliability.

- Heavy duty mounting clamp
- Advanced feed through design

Dimensions:	1 x 1.8 in
Working Voltage:	1,000 VDC
Capacitance:	0.05 µF self-healing technology
Current:	20A, maximum

ST26 TACH GENERATOR ADAPTER

SANDIA AEROSPACE
EDMO# 705662-00
MFR# 305662-00



The ST26 Tach Generator Adapter converts turbine engine tach generators sinusoidal, 26 VAC/400 Hz output into a digital signal. This adapter is compatible with aircraft instrument displays and other control systems and is approved to work with the most common aircraft tachometer models.

Weight:	0.5 lb
Dimensions:	5.06 x 0.99 x 3.35 in
Operating voltage:	11–33 VDC
Current:	0.10A per channel (0.40A total, all channels)
Altitude:	55,000 ft, maximum
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Certification:	TSO-C49B, ETSO-C49B, DO-160E

EMERGENCY POWER SUPPLIES

TS6 EMERGENCY BATTERY POWER SUPPLY

TRUE BLUE POWER
EDMO# 6430006-1
MFR# 6430006-1



The TS6 Emergency Battery Power Supply provides DC power to aircraft electronics, including Mid-Continent Instruments and Avionics 2-inch digital instruments and the Flex® Custom Function Display, when main aircraft power fails. The TS6 is compatible with avionics or components that require 28 VDC input and is designed to provide power for one instrument at a time. The TS6 can be fully recharged or maintain a full charge via the aircraft's primary power bus. Key functions include analog state-of-charge, 80% capacity dispatch test, and discharge shutdown.

- Utilizes Nickel Metal Hydride (NiMH) battery technology
- Unit can be fully recharged, or will maintain existing full charge, via aircraft's primary power bus
- Rugged metal chassis
- Recommended 2-year maintenance cycle

Weight:	0.5 lb
Dimensions:	2.75 x 3.00 x 0.94 in
Capacity:	6 Watt-hour
Input Power:	24.5 – 32 VDC
Output Power:	24 VDC nominal, 0.25 A maximum
Mating Connector:	DB9-style 9019857 CASE Anodized aluminum
Temperature range:	Operating: -40°C to 70°C (-40°F to 158°F)
Certifications	FAA TSO-C173a certified DO-293A qualified RTCA DO-160G qualified

TS28 EMERGENCY BATTERY POWER SUPPLY

TRUE BLUE POWER
EDMO# 6430028-1
MFR# 6430028-1



Designed for a 28V electrical bus, the TS28 Emergency Battery Power Supply (EBPS) provides DC power for aircraft loads, such as emergency lighting and other critical equipment when main aircraft power fails. The unit can be fully recharged or maintain existing full charge, via the aircraft's primary power bus.The TS28 delivers superior quality, longer lifespan, and cell-swapping capabilities that reduce cost for these aircraft operators.

- Provides a constant 24 VDC power for emergency lighting systems in the event of electrical system failure
- Utilizes Nickel Metal Hydride (NiMH) battery technology
- Rugged metal chassis with a 4-pin Mil-Spec circular-style connector for electrical interface
- Easily removable, rechargeable battery pack is field-replaceable to shorten maintenance timelines and extend product life
- Recommended 2-year maintenance cycle
- Designed and built in Wichita, Kansas USA
- Two-year limited warranty

Weight:	1.7 lb
Dimensions:	5.5 x 4.4 x 1.5 in
Capacity:	28 Watt-hour
Input Power:	26.5 – 32 VDC
Output Power:	24 VDC nominal, 3 A max
Mating Connector:	4-pin Mil-Spec circular-style (MCIA PN 9015514-1)
Temperature range:	Operating: -40°C to 70°C (-40°F to 158°F)
Certifications	FAA TSO-C173a DO-293A RTCA DO-160G

TS835 SERIES EMERGENCY POWER SUPPLY

TRUE BLUE POWER



The TS835 Series Emergency Power Supplies feature advanced Nanophosphate® lithium-ion cell chemistry that offers distinct advantages over older, lead-acid design – including a 62% weight savings, reduced maintenance costs, and improved 10-year life expectancy.

- Automatically provides 24.5 VDC power for critical or standby equipment in the event of aircraft power failure
- 4.5 amp-hour Nanophosphate® lithium-ion battery
- Utilizes advanced Nanophosphate® lithium-ion technology — an energy storage solution with superior safety and abuse tolerance compared to metal oxide lithium-ion chemistries
- Maintains full charge by recharging during normal flight operations
- Direct replacement for L-3 Avionics/JET PS-835 or PS-855
- Two-year maintenance schedule

Weight:	4.8 lb
Dimensions:	3.1 x 12.7 x 2.4 in
Case:	Anodized aluminum, blue
Input voltage:	24–32 VDC, 7.0 amps maximum
Capacity:	4.5 amp-hour, nominal
Life expectancy:	10 years
Protection:	Factory replaceable fuse
Rack mount installation:	1/4 ATR rack (MCI P/N 5120-107-C01)
Optional vent kit:	MCI P/N 9017983
Remote test switch:	Remote-mounted self-test switch required MCI P/N 9017176 or equivalent
Mating Connectors:	DPXB13-33S-0001 (MCI P/N 9016600-2 or 9016600-5)
Certification:	FAA TSO C179a certified EASA ETSO C179a certified ANAC TSO C179a certified Part 23 AML STC certified RTCA/DO-160F qualified RTCA/DO-311 qualified

EDMO#	MFR#	OUTPUT VOLTAGE	OUTPUT CURRENT
TS835	MD835-1	24.5 VDC	20A
MD835-2**	MD835-2	24.5 VDC	20A
TS835-5*	MD835-5	24.5 VDC	20A
INSTALLION HARDWARE			
9016600-2	9016600-2	13-pin connector, with clinch nuts	

**TS835-5 has adjustable 3 – 5.5 VDC lighting output @ 5A max*
***MD835-2 has a fuse bypass option*

WH120 AC-TO-DC POWER SUPPLY

KGS ELECTRONICS INC
EDMO# WH120
MFR# WH120



The WH120 power supply produces up to 1200 watts of regulated 28 VDC continuous output power from a 115/200 VAC, 4 wire wye, 400 Hz, 3-phase input. Design features include off line rectification, a pulse width modulated DC to DC step down voltage conversion and a rugged, high power IGBT power module for reliable and lightweight operation.

- Designed for the operation of mobile and ground vehicle equipment and lighting systems requiring regulated 28 VDC
- Circuit protection: withstands without damage or degradation loads exceeding 120% of full load and an output short circuit. The unit delivers rated output upon removal of the output short

Weight:	8 lb
Dimensions:	7.75 x 10.63 x 3.58 in
Input voltage:	115/200 VAC ± 10 VAC, 3 phase
Input current:	4.2A per phase
Input frequency:	400 Hz ± 100 Hz
Output voltage:	28 VDC ± 0.2 VDC
Output current:	42A DC
Output power:	1200 watts, maximum
Ripple:	200 mVpp nominal @ 1200 watt
Regulation:	Line; 1.5% typical, Load; 1.5% typical
Overload:	120% output for at least 5 minutes
Efficiency:	80% typical at full load
Response time:	No load to full load: 2 mSec Full load to no load: 10 mSec
Overshoot:	Full load to no load: +2 Vpk
Undershoot:	No load to full load: -10 Vpk
Altitude:	55,000 ft
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Cooling:	Thermostatically controlled brushless fan

CC250 DUAL SECONDARY 400HZ TRANSFORMER

KGS ELECTRONICS INC
EDMO# CC250-26
MFR# CC250-26



The CC250 is a transformer designed for maximum performance while saving space and weight and features dual secondary outputs. The versatile design allows for connections to be made in series or in parallel.

Weight:	2.5 lb
Dimensions:	3 3/8 x 3 3/8 x 3 1/4 in
Mounting Dimensions:	2 1/2 x 1 7/16 in
Eo(RMS):	26 parallel, 52 secondary
Amps (RMS):	10 parallel, 5 secondary

LF10 TSO REGULATED DC-TO-DC CONVERTER

KGS ELECTRONICS INC
EDMO# LF10
MFR# LF10



The LF10 pulse width modulated DC-to-DC power converter provides regulated 0—5 VDC power up to 20 amps. Variable voltage output is controlled by a slider voltage from 0—5 VDC applied at pin-D from a remote potentiometer. An internal trim pot is provided to adjust the output voltage within the range from 4.9 VDC to 5.25 VDC at the full clockwise position of the external pot. Circuit protection includes low input voltage shutdown, soft start, high input voltage shutdown, output over voltage limit and output short circuit current limit.

Weight:	1 lb
Dimensions:	2 x 3.38 x 5.25 in
Input voltage:	28 VDC (nominal) 18 to 32 VDC
Input current:	0-5 VDC, regulated

Output voltage:	0—5 VDC, regulated
Output current:	0—20 amps, continuous
Efficiency:	75%, typical
Altitude:	55,000 ft, maximum
Temperature range:	Operating: -55°C to 71°C (-65°F to 160°F)
Compliance:	FAA TSO-C71

INTEGRATED BATTERY BACK-UP SYSTEM

TCW TECHNOLOGIES



12V6AH

The Integrated Battery Back-up System (IBBS) is designed to be used on an endurance bus for critical loads to provide back-up power to critical systems such as EFIS, GPS, autopilots, radios, electronic ignition, and engine monitoring systems. This back-up power system is comprised of a lithium-iron-phosphate (Li-Fe-PO4) battery pack, charger, and switching logic. The charging system is matched to ensure proper charging and maintenance of the battery pack. The switching system provides stable output power during both normal and emergency operations to critical equipment. The system will also communication to connected equipment to provide information about the main aircraft bus as well as the state of the battery. Additionally, the IBBS provides surge and sag protection for connected equipment to provide continuous power during engine starts.

- Provides back-up power for critical equipment
- Matched charging system to ensure proper charging and maintenance of the battery
- Communicates information about main aircraft power and battery status to connected equipment
- Offers surge and sag protection to connected equipment
- Provides continuous power during engine starts

Weight:	4.25 lb
Dimensions:	11.9 x 3.3 x 3.2 in
Battery:	Internal sealed Li-Fe-PO4
Charger:	Integral high performance fast charger
Wiring & Connector:	Standard density 15-pin male D-Sub
Operating Temperature:	-40°C to 60°C
Certifications:	TSO C179(b)

EDMO#	MFR#	DESCRIPTION
12V		
12V3AH	IBBS-12V-3ah-CRT-V	Provides 12-volts of power with a 3 amp-hour capacity
12V6AH	IBBS-12V-6ah-CRT-V	Provides 12-volts of power with a 6 amp-hour capacity
24V		
24V3AH	IBBS-24v-3ah-CRT-V	Provides 24-volts of power with a 3 amp-hour capacity
ACCESSORIES		
STC-IK12V	IBBS-STC-Install kit-12v/ with data	Complete installation kit for 12V models
STC-IK24V	IBBS-STC-Install kit-24v/ with data	Complete installation kit for 24V models



ELTs & Accessories

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ELTS 406 MHZ

ELT 4000
ACR/ARTEX


8260

The ARTEX ELT 4000 is a transport-grade Emergency Locator Transmitter (ELT) that uses alkaline batteries as an innovative power source to make this commercial-grade ELT completely exempt from FAA special condition requirements. This lowers the cost of ownership with lower battery expense per cycle, no hazmat shipping, and easy disposal. The ELT 4000 can either be activated manually with the remote switch, or automatically when the G-switch detects a 2.3G or greater impact; it then alerts the nearest Search and Rescue agency of the emergency. The 406 MHz signal transmits GPS coordinates to Cospas-Sarsat satellites, and a 121.5 MHz homing signal assists Search and Rescue with finding the location of the crash.

This ELT provides quick-and-easy retrofit opportunities with flexible installation options such as a two-wire remote switch that does not require aircraft power. The ELT 4000 is TSO-approved for retrofit installations with legacy switch and antenna systems and uses the same RF output and one coax cable to transmit both 406 and 121.5 MHz. Further reducing costs, this Alkaline ELT includes a built-in ARINC429 navigation interface, and the mounting tray is compatible with Artex C and B series emergency locator transmitters.

- Automatic Fixed Emergency Locator Transmitter
- Dual Frequency distress beacon—digital 406 MHz and analog 121.5 MHz homing signal
- Auto activation using internal G-switch
- Dual-band antenna, single connector, and cable to transmitter
- Several cockpit remote switch options available
- Connects to onboard GPS using the Integrated ARINC429 interface
- GPS data is embedded in digital transmission, reducing the search radius down to 100 meters
- Replaceable 5-year battery life (ships non-hazmat)
- ARTEX ELT 4000 HM Helicopter version with 5-axis G-Switch available
- Compatible with ARTEX 406Test.com Satellite Confirmation Testing System
- AA, CAAC, ANATEL, Industry Canada, EASA certifications pending, and Cospas-Sarsat type approved

Weight:	5.45 lb (battery pack and mounting tray)
Dimensions:	11.63 x 3.42 x 4.15 in
Operating frequencies:	406.031 MHz ±1kHz | 16K0G1D 121.5 MHz ±0.005% | 3K20A3X
Output power:	406 MHz: 5W (37 dBm) for 24 hr @ -20°C to 55°C 121.5 MHz: 100 mW (20 dBm) for 50 hr @ -20°C to 55°C
Activation:	Primary G-Switch by 4.5 ±0.5 ft/sec (2.3 G) Via unit or remote switch
Self test:	G-Switch enabled, 406 MHz power, antenna/coax connection, and low battery
Battery:	5-year Alkaline
Remote switch:	On/Arm/Test
Temperature range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
Connector:	406/121.5 MHz (BNC female)
Certification:	FAA, EASA Via Bilateral Approved, CAAC, ANATEL, Industry Canada Pending

EDMO#	MFR#	DESCRIPTION
FIXED WING		
8260	8260	ELT 4000 & 5-year alkaline battery only
8261	8261	ELT 4000 Base Pack | Includes: install hardware, buzzer, and connectors
8262-ELT	8262	ELT 4000 Rod Pack | Includes: 110-338 rod antenna, remote switch, install hardware, buzzer, and connectors
8263	8263	ELT 4000 Blade Pack | Includes: 110-340 blade antenna, remote switch, install hardware, buzzer, and connectors
HELICOPTER		
8271	8271	ELT 4000 HM & 5 year alkaline battery only
8272	8272	ELT 4000 HM base pack | Includes: install hardware, buzzer, and connectors
8273	8273	ELT 4000 HM base rod pack | Includes: G-Switch, battery, rod antenna, mounting tray, remote switch, and install hardware
ACCESSORIES:		
8264	8264	Mounting strap | Includes 2 straps
8319	A3-06-2868, 8319	Programming adapter
8340	8340	Replacement 5-year alkaline battery
8342	8342	Mounting tray
8343	8343	Top cover assembly
8344	8344	Mounting cap assembly
8345	8345	Current draw harness
A3-06-3214	A3-06-3214	Slim-Line remote switch

ELT 4000S PORTABLE SURVIVAL ELT
ACR/ARTEX


A3-06-3168

The ARTEX ELT 4000S is a portable Survival(S) ELT that transmits on 121.5 and 406 MHz that is exempt from TSO C142/DO-227 approval due to the innovative alkaline battery-powered system. The ELT transmitter is based on the ARTEX ELT 4000 system and represents the latest ELT transmitter technology with a lithium-free battery in a survival beacon, saving operators in hazmat shipping fees. The ARTEX ELT 4000S is buoyant and automatically activates when deployed in water. A manual activation switch is also included for land use. An internal GPS (GNSS) will acquire position data for inclusion in the 406 MHz transmission, and a lanyard allows for attachment to a life raft.

- Rugged design with built-in buoyancy (no float collar)
- Integrated GPS
- Alkaline battery (exempt from TSO C142/DO-227 approval)
- Five-year user-replaceable alkaline battery system (on wing)
- Special condition exempt, no Hazmat shipping
- Simple bracket for easy one-handed deployment
- Compatible with existing ARTEX handheld programmers
- Left and right-handed bracket configurations available

Weight:	7.7 lbs
Dimensions:	6.2 x 5.42 x 14.7 in
Operating frequencies:	406.031 MHz (+/- 1kHz) / 121.5 MHz (+/- 0.005%)
Output power:	406 MHz: EIRP 5 W (37 dBm) for 24 hr @ -20°C to 55°C 121.5 MHz: EIRP 100mW (20 dBm) for 50 hr @ -20°C to 55°C
Emission designators:	16K0G1D (406.031 MHz) / A3X (121.5 MHz)

EDMO#	MFR#	DESCRIPTION
A3-06-3168	A3-06-3168	ELT 4000S portable survival ELT
A3-0631681	A3-06-3168-1	ELT 4000S portable survival ELT for Boeing aircraft

ELT 1000

ACR/ARTEX



8201

The ELT 1000 is an excellent, cost-effective option for upgrading standard 121.5 MHz transmitters, which are no longer monitored by the Cospat-Sarsat System. The ELT 1000 is a single-output ELT that transmits on both 406 MHz and 121.5 MHz using the same RF output and one coax cable. The 406 signal alone produces an accurate position within 1.86 miles, and when paired with the aircraft's navigation system via the built-in GPS interface, the ELT's accuracy is further improved to about 110 yards. The GPS interface does not require aircraft power to operate; the remote switch only requires two wires, which reduces installation costs and labor.

- Automatic fixed emergency locator transmitter
- Equipped with a single antenna output for emergency transmission on both 406 MHz (Cospat-Sarsat) and 121.5 MHz frequencies
- Provides enhanced position accuracy using a built-in GPS interface that does not require aircraft power
- Encoded digital message broadcasts aircraft identification/registration and owner/emergency contact details

Weight:	2.2 lb (tray included)
Dimensions:	6.6 x 2.9 x 3.7 in
Operating frequencies:	406 MHz, 121.5 MHz ± 5 KHz, GPS interface
Output power:	406 MHz: 5W (440 ms/50 sec) for 24 hr @ -20°C to 55°C 121.5 MHz: 100mW for 50 hr @ -20°C to 55°C
Activation:	Automatic by 4.5 ft/sec (2.3 G) Primary G-switch or manual activation
Self test:	G-switch enabled, 406 MHz power, antenna coax/connection, low battery
Battery:	6-year Lithium-Ion battery (LiSO4)
Remote switch:	On/Arm/Test
Temperature range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
Connector:	BNC female (406 MHz and 121.5 MHz)
GPS interface:	Built-in GPS navigation
Certification:	Cospas-Sarsat, FAA TSO

EDMO#	MFR#	DESCRIPTION
8201	8201	ELT 1000 & 6 year battery only
8202	8202	ELT 1000 Base Pack | Includes: installation hardware, audio buzzer, and mounting tray
8203	8203	ELT 1000 Whip Pack | Includes: 110-773 whip antenna, remote switch, install kit, buzzer, and connectors
8204	8204	ELT 1000 Rod Pack | Includes: 110-338 rod antenna, remote switch, install kit, buzzer, and connectors
8205	8205	ELT 1000 ACE Base Pack | Includes: 110-773 whip antenna, remote switch, 1.25 ft cable, install kit, buzzer, and connectors
8206	8206	ELT 1000 ACE Base Pack | Includes: 110-773 whip antenna, remote switch, 6 ft cable, install kit, buzzer, and connectors
8207	8207	ELT 1000 Rod Pack | Includes: 8603 rod antenna, remote switch, install kit, buzzer and connectors
ACCESSORIES		
8302	8302	Replacement 6-year lithium battery
8303	8303	Mounting strap and tray
8304	8304	Remote switch
8306	8306	ELT 1000 retrofit kit | Includes: remote switch, install kit, interface module, and extender
8603	8603	ELT 1000 rod antenna
611-0112	611-0112	ELT programming cable

ELT 345

ACR/ARTEX



8102

The ELT 345 is a 406 MHz ELT that provides exceptional value at a competitive price. This unit can be activated manually, with the remote switch or ELT switch, or automatically when the G-switch detects a 2.3G or greater impact. Once activated, the ELT 345 transmits a 406 MHz signal with the beacon's registration information and along with GPS coordinates to the closets search and rescue agency via the Cospat-Sarsat satellite system. The beacon also transmits a 121.5 MHz homing signal to assist search and rescue and pinpoint the aircraft/ELT location. This unit is designed for fast, flexible installation as either a new install or as a retrofit with options like a two-wire remote switch that does not draw aircraft power. The ELT 345 is a single-output ELT, using the same RF output and only one coax cable to transmit both 406 MHz and 121.5 MHz signals. The unit's built-in navigational interface does not require aircraft power to operate, which results in lower installation costs, and the stainless steel mounting bracket supplied with the unit has a multiple-hole mounting pattern to accommodate legacy footprints.

- Automatic fixed-wing emergency locator transmitter with automatic or manual activation using a hermetically sealed G-switch
- Single antenna output for 406 MHz and 121.5 MHz
- Provides position accuracy to within 100 meters through a built-in GPS interface (NMEA 0183 or RS-232)
- ELT and installation can be tested using satellite-based online confirmation tests via Artex's proprietary satellite testing service at 406Test.com
- Includes a stainless steel mounting bracket with multiple hole pattern configuration for retrofitting legacy Artex ELTs as well as ACK or Kannad ELTs
- 2-wire interface does not require aircraft power

Weight:	2 lb, with tray
Dimensions:	6.4 x 2.96 x 3.78 in (with mounting hardware)
Operating frequencies:	406.040 MHz (±1kHz) | 16K0G1D 121.5 MHz (±6.075 kHz) | 3K20A3X
Output power:	406 MHz: 5 for 24 hrs @ -20°C to 55°C 121.5 MHz: 50mW for 50 hrs @ -20°C to 55°C
Activation:	Automatic via G-switch by 4.5 ft/sec (2.3 G) or manual activation
Self test:	G-Switch enabled, 406 MHz and 121.5 MHz power, NAV system, low battery
Battery:	6-year Lithium (LiMnO2)
Remote switch:	On/Arm/Test
Temperature range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
GPS interface:	Built-in GPS navigation (NMEA 0183 or RS-232)
Connector:	BNC female
Certification:	Cospas-Sarsat, FAA TSO, Transport & Industry Canada

EDMO#	MFR#	DESCRIPTION
8100	8100	ELT 345 & 6 year battery only
8102	8102	ELT 345 Base Pack | Includes: 8324 whip antenna, remote switch, battery, install hardware with buzzer and connector
8105	8105	ELT 345 Builders Kit | Includes: 8324 antenna, 8304 remote switch, mounting tray, and 6 ft BNC to BNC coax cable
8107	8107	ELT 345 Compact Kit | Includes: 15-inch black whip antenna, standard 2-wire remote switch, buzzer, mounting tray, 6 ft BNC to BNC coax cable, and install kit
8108	8108	ELT 345 Slim Kit | Includes: 15-inch black whip antenna, slim-line 2-wire remote switch, buzzer, mounting tray, 6 ft BNC to BNC coax cable, and install kit
ACCESSORIES		
8104	8104	ELT 345 current draw test fixture
8322	8322	Replacement 6-year lithium battery kit | Includes: o-ring, screws, and install instructions

continued on next page

EDMO#	MFR#	DESCRIPTION
8323	8323	Replacement mounting tray and strap
8324	8324	Antenna and coax cable
591-0428	591-0428	Cautionary use advisory label
611-0112	611-0112	ELT programmng cable
A3-06-2877	A3-06-2877	Battery test fixture cable assembly
A3-06-3214	A3-06-3214	Slim-line remote switch
MKAR-1	MK AR-1	Mounting ring

PROGRAMMING DONGLE

ACR/ARTEX

The DG-1 programming dongle allows the fleet operator to program an aircraft's 24-bit address into a compatible Artex ELT. This makes it easy for ELTs to be switched between aircraft conveniently and effectively with reduced maintenance and downtime. The DGL-1 is designed to attach to the top cover—both the cover and the dongle remain in the aircraft; all that is needed is to swap out the ELTs. Once the ELT is installed, the DGL-1 automatically reprograms the ELT.



455-4010

Weight:	4.8 oz (DGL-1 dongle) | 1 oz (DGL-1 harness) 11.5 oz (total weight)
Dimensions:	10.95 x 2.42 x 3.36 in (dongle mounted on top cover) 2.5 x 6.1 in (programming dongle)
Power:	Input: 28 VDC ± 10 VDC Output: 5.6 VDC ± 0.3 VDC
Temperature range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
Compatible with:	110-406 NAV, 110-406HM NAV, 110-406ED NAV, B406-2, B406-4, C406-1 Series, C406-2 Series, G406-2, G406-4

EDMO#	MFR#	DESCRIPTION
453-4010	453-4010	DGL-1 Main Assembly
455-4010	455-4010	DGL-1 Programming Dongle
455-401001	455-4010-01	DGL-1 Programming Dongle Kit

ELT TO NAV INTERFACE

ACR/ARTEX



The Artex ELT to NAV interface connects the aircraft's Flight Management Computer (FMC) or GPS receiver with an Artex 406 MHz ELT (G406-4, C406-1, C406-2, C406-1 HM, C406-2 HM). Its function is to receive continuous position updates from the aircraft's navigation system and translate them to the proper format for use by the ELT. Once activated, the ELT transmits latitude and longitude information from the GPS along with the 406 MHz distress signal.

- For use with 28V aircraft systems
- Allows the ELT to transmit latitude and longitude data from the aircraft
- Connects to the C406 and G406 series ELTs the aircraft Flight Management Computer or GPS
- Compatible with Garmin, UNSD, ARNAV, II Marrow, and Bendix King systems

Weight:	2.7 lb (1.2 Kg)
Dimensions:	9.25 x 5 x 1.95 in
Vibration:	10 G(5 Hz to 2000 Hz)
Shock Test:	500 G @ 4 mSec
Crash Worthiness:	100 G @ 23 mSec
Impact:	220 PSI (25 Kg from 6 in)
Auto Reprogramming:	24-bit aircraft address (Mode S number)
Voltage requirements:	+28VDC ±5VDC
Current Draw:	300mA maximum
NAV Systems:	GPS-loran-inertial NAV-FMC
Temperature range:	Operating: -20°C to +55°C
Interface:	ARINC 429- all, RS-232- 9600 baud, parity: none, data bits: 8, stop bits: 1, STX & ETX required, "A" identifier for lat; "B" identifier for long

EDMO#	MFR#	DESCRIPTION
453-6500	453-6500	ELT to NAV interface
455-6500	455-6500	ELT to NAV interface with install kit
ACCESSORIES		
455-0650	455-0650	Install kit for ELT to NAV interface

ARTEX ELT INSTALLATION & MOUNTING COMPONENTS

ELT BUZZER

EDMO# 130-4004
MFR# 130-4004
ELT buzzer for use with the Artex 110-406 MHz ELTs.



ELT INLINE TEST HARNESS

EDMO# 611-0024
MFR# 611-0024
ELT inline test harness for Artex 406 MHz ELTs.



ELT TEST PLUG

EDMO# 151-2012
MFR# 151-2012
ELT test plug for use with Artex ELTs.



ELT REMOTE SWITCHES

ELT remote switches for Artex ELTs. 455-6196 comes standard for all TSO C91a and TSO C126 ELTs except for the ME406 ACE.



455-6196



455-9700



455-0023

EDMO#	MFR#	DESCRIPTION
455-6196	455-6196	ELT remote switch kit for Artex ELTs 110-406
453-0020	453-0020	ELT remote switch for Raytheon business jets
345-619604	345-6196-04	ELT remote switch only
453-9700	453-9700	Remote switch for Artex commercial and military ELTs

EDMO#	MFR#	DESCRIPTION
453-9702	453-9702	Remote switch for Artex commercial and military ELTs with night vision | Gray
455-0023	455-0023	Remote switch for ME406 ACE ELT
455-9700	455-9700	Military remote switch for Artex ELT | without night vision
455-9703	455-9703	Military remote switch for Artex ELT | with night vision
ACCESSORIES		
131-0001	131-0001	Replacement 6V battery for ELTs from Artex
591-0003	591-0003	Horizontal label for 452-0023
591-3029	591-3029	Vertical label for 452-0023

CABLE, CONNECTORS & HARDWARE

Artex connectors, hardware, and electrical components.

EDMO#	MFR#	DESCRIPTION
150-1120	150-1120	Artex TPS connector
151-2101	151-2101	Contact pin #20
151-5009	151-5009	9-pin receptacle housing
151-6625	151-6625	0.062 inch female crimp sockets
151-6627	151-6627	ELT 406 male pins
151-6628	151-6628	ELT 406 female pins
151-6657	151-6657	22D crimp socket
151-9702	151-9702	Female contact socket
209-0412	209-0412	Replacement screws
217-0606	217-0606	Screw with O-ring | 6-32 x 1/2 in
246-0008	246-0008	Flat washer for install kit
280-0320	280-0320	Gasket for 110-320 ELT rod antenna
611-0019	611-0019	ACK retrofit installations kit | Flat 6-pin x 4-connector, 18 in, crossed cable

INTEGRA 406 ELT SERIES

OROLIA



1202502

The Integra 406 ELT series offers an efficient option for installing or retrofitting a 406 MHz ELT with GPS capabilities in individual or fleet aircraft. The Integra ELT transmits distress signals and location data via a 406 MHz signal to the COSPAS-SARSAT network of satellites in conjunction with a homing signal on 121.5 MHz, which allows rescuers to narrow down the search area to 490 square miles. Variants of the Integra family are available with either an internal GPS or GPS NAV interface (see table below). The Integra GPS capabilities make it possible for the ELT to send exact GPS coordinates for a crash site location, further narrowing the search area to 0.03 square miles while lowering response times to as little as 30 minutes. The Integra ELTs are an excellent choice for pilots and technicians seeking to add a GPS-capable ELT to their aircraft. The Integra ELT is a compact unit that uses a universal mounting plate for quick retrofits, does not rely on aircraft power, and can be used with a remote switch option for installations where space is limited. An optional programming dongle also makes the Integra ideal for fleet installs.

- Rigidly attached to the aircraft and connected to an external antenna, it can be easily removed from the aircraft after a crash at which the signal is transmitted using the integral and auxiliary antennas
- Two-frequency transmitter; when activated, provides 24-hour certified transmission on 406 MHz (distress signal) and over 48 hours over on 121.5 MHz
- Available with two different GPS options: can be equipped with either an integrated internal GPS or an NMEA Integra E-NAV GPS interface
- Remote control panels with three-wire and two-wire installation options

Weight:	1.66 lb, typical
Dimensions:	5.15 x 3.39 x 2.97 in
Transmission:	406 MHz: Frequency: 406.037 MHz ± 1 KHz Output power: 5W (37 dBm ± 2 dB) Modulation type: 16K0G1D (Biphase L encoding) Transmission duration: 520 ms (long message) every 50 seconds Autonomy: over 24 hours at -20°C 121.5 MHz: Frequency: 121.5 MHz ± 6 KHz Output power: 50 to 400 mW (17 to 26 dBm) Modulation type: 3K20A3X Autonomy: over 48 hours at -20°C
Control panel:	Arm/On/Off switch | Bright red LED DIN12 socket for remote control panel (RPC) and pin programming option BNC antenna connector |Internal buzzer
G-switch:	G-switch sensor compliant with EUROCAE ED62 specifications
Battery:	BAT200: LiMnO2 two-element battery // replacement every 6 years
Housing:	Material: molded plastic Color: yellow (color compound)
Unique functions:	Integrated 406 antenna Built-in GPS (antenna & receiver)
Certification:	RTCA DO-160F / EUROCAE ED14F Section 4 to 26: INTEGRA AF / AF (ER) [ED62A]X[ED62A]A[ED62A][R(C&C1)]XW XXXSZXXXZ[ED62A]B[XXG33]XXA [ED62A] INTEGRA AF-H / AF-H (ER) [ED62A]X[ED62A]A[ED62A][U(G)]XWXX XSZXXXZ[ED62A]B[XXG33]XXA [ED62A] ETSO-C126a / TSO-C126a / TSO-C126b

EDMO#	MFR#	DESCRIPTION:
1002824	1002824	Integra Easy Evo—includes: Kannad Integra AF 406 ELT, TSO-C126b mounting bracket, DIN-12 connector, SUB-D 9 pin female connector, RC200 remote control panel
50501-02	S1850501-02	Integra 406 AP & battery | Includes auxiliary antenna
50501-03	S1850501-03	Integra 406 AP/ER-N & battery | includes auxiliary antenna
51501-01	S1851501-01	Integra 406 AF/ER & battery
51501-02	S1851501-02	Integra 406 AF ER & battery | for Robinson aircraft
FOR HELICOPTER		
1001628	1001628	Amer-Fit ELT AF-H Pack—includes: Integra AF-H ELT, RC103 remote control panel, DIN12/RJ11 adapter cable, RJ11 coupler, and universal mounting bracket
52501-01	S1852501-01	Integra 406 AF-H ER & battery only
52501-02	S1852501-02	Integra 406 AF-H & battery only
54501-01	S1854501-01	Integra 406 AP-H ELT | includes auxiliary antenna
ACCESSORIES		
20514-08	S1820514-08	Integra E-Nav interface cable
40510-01	S1840510-01	BAT200: 6-year lithium battery
50551-01	S1850551-01	Universal mounting bracket
50551-02	S1850551-02	Universal mounting bracket
50551-03	S1850551-03	Mounting bracket with draw latch (not ER-N)
50551-04	S1850551-04	Mounting bracket with draw latch (not ER-N)
0145564A	0145564A	NOAA replacement label

KANNAD 406 SURVIVAL ELT

OROLIA



23502-03

Designed to be installed in the aircraft cabin or in a carry-off bag, the Kannad 406 Survival ELT provides a direct connection to global Search and Rescue (SAR) services when an emergency situation occurs. The ELT is programmed with either the aircraft tail number, a serial number, or the aircraft operator designator. The Kannad 406 Survival ELT is available with or without a water switch, and the three-frequency transmitter is connected to the supplied antenna via a TNC connector. The Kannad 406 Survival ELT is fitted with a floating collar, enabling it to float upright, and a water switch sensor, allowing automatic activation when in contact with water.

- Water Switch Sensor allowing automatic activation via contact with water (optional on AS-TNC variant)
- Audible and visual activation indicators (buzzer and LED)
- Integrated self-test facility with visual indicator for results
- 6 year battery life-time

Weight:	2.6 lb typical (incl. auxiliary antenna, floating collar & batteries)
Dimensions:	6.77 x 3.23 x 3.23 in (transmitter) 223 x 6.3 x 6.3 in (antenna deployed)
Transmission:	406 MHz: Frequency: 406.025 MHz+/-2 kHz Output power: 5W (37 dBm ± 2 dB) Modulation type: 16K0G1D (Biphase L encoding) Transmission duration: 440 ms (short message) every 50 seconds Autonomy: over 24 hours at -20°C 121.5/243 MHz: Frequency: 121.5 MHz ± 6 KHz // 243.0 MHZ ± 12 kHz Output power: 100 to 400 mW (20 to 26 dBm) Modulation type: 3K20A3X Autonomy: over 48 hours at -20°C
Battery:	BAT300: 6-year, 3 x LiMnO2 D type cells
Housing:	Yellow molded plastic
Control panel:	Arm/Off/On switch | Bright red LED TNC antenna connector DIN12 connector for remote control panel (RCP), pin programming option, and water switch sensor option Internal buzzer
Test and certifications:	RTCA DO-160D Ch. 4 to25 [ED62]XBA[ED62][RCC1]AWXXXXZXXX ZWL[(A1)(A2)(A3)XX]XXA ETSO-2C91a & ETSO-2C126 (EUROCAE EC62) TSO-C91a & TSO-C126 (RTCA DO183 & DO204)

EDMO#	MFR#	DESCRIPTION:
1000766	1000766	Kannad 406 AS Shipset | Includes: ELT, programming dongle, and carry-off bag
1000768	1000768	Kannad 406 AS Shipset | Includes: ELT, programming dongle, and mounting bracket
ACCESSORIES		
20511-02	S1820511-02	Wall mounting bracket
20511-03	S1820511-03	Carry off bag
20511-04	S1820511-04	Carry off bag
20516-99A	S1820516-99	ELT battery kit | Includes 6-year lithium battery (BAT300), label, o-ring, small foam wedge, large foam wedge, and install kit
0124115	0124115	O-Ring gasket
0145564A	0145564A	NOAA replacement label

OROLIA ELT PROGRAMMING ACCESSORIES

OROLIA

PR600 ELT PROGRAMMER



1201570

The PR600 programming tool works with any PC computer with USB ports and Windows 2000 or XP. This part is compatible with the four ICAO-defined protocols: tail number, aircraft operator designator, serial number, 24-bit address. ICAO is designed to work with all Kannad ELTs and programming dongles as a replacement for the PR550 programming equipment.

- Kit includes: PR600 programming interface module, USB cable, instructions for programming, suit case storage, and transportation

PROGRAMMING DONGLE ASSEMBLY



20514-06

The Programming Dongle is a programming smart connector that is used to program Orolia Kannand ELTs with aircraft identification data. This device, which is identical to the DIN-12, stays in the aircraft and stores all pertinent aircraft programming and identification for the CS144 Navigation Interface with the ability to transfer aircraft data to additional or newly reprogrammed ELTs. When an ELT is connected to the programming dongle and switched to the "ARM" position, it automatically downloads the data from the dongle. With the dongle in place, an ELT can be removed for service, and a new or reprogrammed ELT can be added without manually reinstalling aircraft programming or information. Any ELTs removed from the aircraft retain all identification data downloaded from the dongle. The Programming Dongle assembly consists of a male DIN-12 connected to the programming dongle on the ELT side and a female DIN-12 connected on the remote control panel side.

- Used in place of a DIN-12 connector and required for navigation interface connection
- When used with P/N 20514-06, the remote switch wire harness must be fitted with a male DIN-12 connector

MAINTENANCE DONGLE



20514-02

Kannad Maintenance Dongle is used to delete aircraft identification information from Orolia Kannad ELTs for maintenance purposes. If there are any accidental transmissions while using the maintenance dongle, SAR is not involved, as the identification code that would be transmitted is recognized by COSPAS-SARSAT as "not on board."

- DIN-12 connector with SMM
- Equipped with a "Remove Before Flight" tag

EDMO#	MFR#	DESCRIPTION
1201570	1201570A	PR600 ELT Programmer
20514-01	S1820514-01	Programming Dongle
20514-02	S1820514-02	Maintenance Dongle
20514-03	S1820514-03	DIN-12 connector for use with Orolia Kannad 3-frequency ELTs and dongles
20514-06	S1820514-06	Programming dongle & assembly
20514-12	S1820514-12	Attachable programming dongle for Integra AF (ER-N) ELT and Integra AF-H (ER-N) ELTs

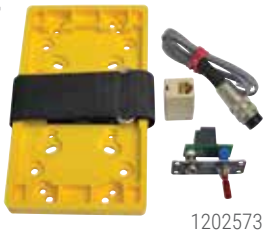
KANNAD ELT INSTALLATION & MOUNTING COMPONENTS

OROLIA

ACK/AMERIKING RETROFIT KIT

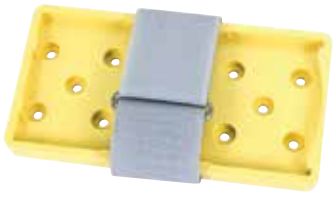
Retro Kit for ACK and Ameri-King ELTs simplifies the process of replacing an older model ELT with a new installation. This kit includes all the components needed to adapt a Kannad ELT installation to an existing ACK or Ameri-King footprint.

- Kit includes: mounting bracket, remote switch, DIN12 ELT connector with RJ11 cable (already wired), and a RJ11 coupler for Ameri-King



1202573

MOUTING TRAYS



STANDARD



COMPACT

The ELT Universal Mounting fits all three-frequency ELTs as well as the Kannad Navigation Interface Unit. It comes with a bracket and strap for securely mounting these devices within the aircraft.

- For Orolia Kannad Compact ELTs, use the 406 AF Compact Universal Tray

OUTSIDE BUZZER ASSEMBLY

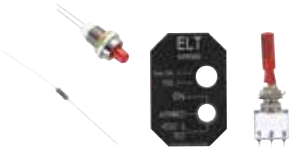
The outside buzzer assembly is an auxiliary buzzer for use with any Orolia Kannad ELT in circumstances where the ELT internal buzzer cannot be heard on the ground; especially useful on large aircraft.



20515-06

REMOTE CONTROL PANELS

Remote control panels allow Kannad ELTs to be installed on an aircraft away from the pilot's seated position in the cockpit. These remote control panels are designed to be installed in the instrument panel in order to provide the pilot with line-of-sight to the ELT activation light and switch.



20513-18

Each switch has three positions: armed—ready for use when activated by the automatic switch; on—activates immediately; and test/reset.

EDMO#	MFR#	DESCRIPTION
RETROFIT KIT		
1202573	1202573A	ACK/AMERIKING Retrofit kit
MOUNTING		
20511-01	S1820511-01	Universal mounting tray and strap
20512-01	S1820512-01	Gray 50 mm velcro strap for universal mounting brackets
40502-01	S1840502-01	Kannad compact ELT mounting bracket
40502-02	S1840502-02	406 AF Compact ELT universal mounting bracket
BUZZER & SWITCH KITS		
20514-14	S1820514-14	Water switch sensor kit
20515-06	S1820515-06	Outside buzzer assembly
25515-01	S1825515-01	EEPROM replacement kit | Includes: o-ring, capsule desiccant, memory circuit 98C66 DIPB, wedge foam, label memory
40506-01	S1840506-01	RC200 remote switch connector

EDMO#	MFR#	DESCRIPTION
REMOTE CONTROL PANELS		
20513-03	S1820513-03	RC100 remote control panel kit | Includes: 3-wire remote control kit to be assemble on the aircraft
20513-15	S1820513-15	RC800 ELT remote control panel | Includes: 4- or 5-wire bundle equipped with DIN-12 and Jaeger female 19-pin connectors
20513-18	S1820513-18	RC200 remote control panel kit | Includes DIN-12 connector and 9-pin female D-sub connector

E-04 406 ELT SERIES

ACK TECHNOLOGIES INC.



E-04

The E-04 is a 406/121.5 MHz ELT intended for use with general and commercial aviation and is a direct replacement for the E-01 ELT. The ELT fits the E-01 mounting trays, uses the same remote control panel indicator, and the E-04 external antenna can use the preexisting E-01 antenna mounting and wiring installation. The E-04 activates in the event of a crash and transmits a homing signal on 121.5 MHz for 48 hours while simultaneously transmitting a distress signal on 406 MHz to the Cospas-Sarsat system for up to 24-hours. Additionally, this unit can be interfaced with an aircraft's GPS system and is capable of accepting GPS position input data from several different devices. GPS information can then be sent to search and rescue, which results in drastically reduced search times. When activated, the E-04 provides aural alert with a simple plug-in alert indicator.

- Dual-channel ELT transmits a distress signal to the Cospas-Sarsat system at 406 MHz for 24-hours (5 watts) and a homing signal at 121.5 MHz for 48 hours (100 mW)
- Can be interfaced with aircraft GPS data via an optional GPS data receiver and accepts GPS position input data from Bendix/King, Garmin (NMEA 0183 GPS)
- Antenna with molded plastic base is swept back 20 degrees
- Equipped with a simple plug-in audible alert indicator
- Relies on a lithium battery pack that provides a 5-year battery life
- Compatible with Ameri-King remote panel indicator

Weight:	ELT and battery pack: 1.6 lb ELT tray and straps: 0.2 0.2 lb Remote control: 1.1 oz Audio alert indicator: 1.5 oz
Dimensions:	7.75 x 2.85 x 2.85 in
Transmission:	Frequency: 121.5 MHz ±2 KHz and 406.037 MHz Modulation: 406 MHz ±2 KHz bi-phase L (16KOG1D), 121.5 ±6 kHz (3K20A3n) Swept downward: 1,400 to 400 hz Repetition rate: 3 Hz Modulation factor ≥ 90% Duty cycles: ≥ 45%
Power at terminal (5Ω load):	121.5 MHz 20.7 dBm 50 hours 406.037 MHz 37.3 dBm for 24.5 hours Standby current: 26 µA (armed mode) Peak current: 406 MHz burst: 1.5-2 Amps Current: 121.5 MHz operation 75 mA
Peak EIRP with E-04.8 whip antenna and E-04.10.4 coax cable:	121.5 MHz: +23 dBm, 200 mW 406.037 MHz: 39.79 dBm, 12.7 watts
Temperature range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
Crash activation:	4.5 FpS ± 0.5 FpS
Certification:	FAA/Transport Canada TSO-C126, TSO-C91a ETSO-2C126, ETSO-2C91a COSPAS-SARSAT T.001 T.007 Industry Canada 1863A-E04AF Type: TSO-C126 AF

continued on next page

EDMO#	MFR#	DESCRIPTIONS
E-04	E-04	E-04 ELT System | Includes: lithium battery pack, whip antenna, remote switch, electrostatic discharger, 60 ft coax cable, audio alert and cable, mounting tray, 15 ft remote cable, switch cover, install/operation manual
E-04R	E-04R	E-04 ELT System | Includes: lithium battery pack, whip antenna, electrostatic discharger, audio alert and cable, female 4-pin DIN plug, switch cover, install/operation manual
E-04.1	E-04.1	E-04 ELT System | Includes: lithium battery pack, 350 knot rod antenna, remote switch with horizontal placard, remote vertical placard, electrostatic discharger, 60 inch coax cable, audio alert, mounting tray 15 foot remote cable, audio alert cable, switch cover, and the installation/ operation manual
ACCESSORIES		
E-04.0	E-04.0	5-year lithium battery pack
E-04.10.3	E-04.10.3	ELT audio alert cable
E-04.10.6	E-04.10.6	Mini DIN connector for NAV/GPS interface
E-04.10.8	E-04.10.8	RJ11 Modular Coupler
E-04.10111	E-04.10.1.11	Warning horn
E-04.10112	E-04.10.1.12	Static Suppressor for antenna
E-04.11.17	E-04.11.17	O-ring
E-04.17C	E-04.17C	Vinyl toggle switch cap
E-04.17P	E-04.17P	ELT hardware kit | lincludes: vertical and horizontal placards, DIN plug, audio alert cable
E-04.4.1	E-04.4.1	ELT battery strap
E-04.4.2	E-04.4.2	ELT front battery strap
E-04.4A	E-04.4A	ELT mounting kit | with mounting tray & straps
E-04.5	E-04.5	ELT remote switch
E-04.7	E-04.7A /E-04.7.1	ELT audio alert
E-04PA	E-04PA	Antenna adapter | Pointer 3003-18/30 to ACK E-04.8
E-04.PK1	E-04.PK1	Programmer
E-0410110K	E-04.10.1.10K	15-pin plug kit
E-0410113K	E-04.10.1.13K	2-pin plug set
E04RC	E-04RC	Remote control panel indicator | Includes: mounting tray/straps, remote cable, & coax cable

E-04C ELT SYSTEM

ACK TECHNOLOGIES INC.


E-04C

The E-04C ELT is a GPS-capable 406 ELT designed for use on corporate and commercial aircraft that transmits on 406 MHz and 121.5 MHz. The E-04C is certified to the TSO-C126b standard. This unit is certified to accept data from Garmin Aviation, Bendix/King Aviation, NMEA 0183, and ARINC 426 Data. If the unit loses power, it will retain all GPS coordinates. An excellent retrofit, the E-04C fits Artex and Kannad panel cutouts.

- GPS-capable ELT
- Certified to TSO-C126b standard
- Accepts Garmin Aviation, NMEA 0183, and ARINC 429 data
- Retains GPS coordinates after power is removed
- Remote fits Artex and Kannad panel cutouts

Weight:	1.6 lb ELT and battery pack
Dimensions:	7.75 x 2.85 x 2.85 in
Frequency:	121.5 & 406.037 MHz
Modulation:	406 MHz ± 2 KHz bi-phase L (16KOG1D) 121.5 MHz ± 6 KHz AM (3K20A3N)
Swept downward:	1400–400 Hz
Repetition rate:	3 Hz
Modulation factor duty cycle:	≥ 90% / ≥ 45%
Power at terminal 50Ω load:	121.5 MHz 20.7 dBm 50 hours @ -20°C 407.037 MHz 37.3 dBm 24.5 hours @ -20°C
Peak EIRP with E-04.8 whip antenna and E-04.10.4 coax cable:	121.5 MHz 22 dBm 160 mW 406.037 MHz 39.79 dBm 13.7 W
Peak EIRP with S65-1231 whip antenna and E-04.10.4 coax cable:	121.5 MHz 23 dBm 200 mW 406.037 MHz 39.79 dBm 13.7 W
Crash activation:	4.5 FpS ± 0.5 FpS
Battery:	Lithium, certified to TSO-C142a
Certifications:	FAA / Transport Canada, TSO-C126b TSO-C91a TSO-142a EASA, ETSO-2C126, ETSO-2C91a, TSO-142a, Industrial Canada, 1863A-E04AF, Brazil ANAC/ANTEL: TSO-C126 TSO-C142a

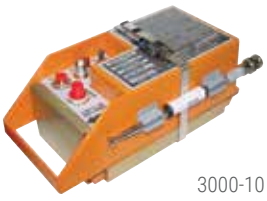
EDMO#	MFR#	DESCRIPTION
E-04C.1	E-04C.1	E-04C System | Includes: 250 knot whip antenna and full installation kit
E-04C.2	E-04C.2	E-04C System | Includes: full installation kit and no antenna
E-04C.3	E-04C.3	E-04C System | Includes: AV-300-1 350 knot rod antenna, and installation kit
ACCESSORIES		
E-04.0	E-04.0	5-year lithium battery pack
E-04.5.1	E-04.5.1	ELT remote control
E04.10.14K	E04.10.14K	8-pin connector kit

ACK ELT MOUNTING & HARDWARE ACCESSORIES

EDMO#	MFR#	DESCRIPTION
E-01-03	E0103	ELT battery case for use with ACK ELTs
E-04.10.4	E-04.10.4	5 ft Coax Cable for use with ACK ELTs
E-04.10.5	E-04.10.5 (15FT)	15 ft, black remote cable for use with ACK ELTs
E-04.10.7	E-04.10.7	25 ft, black remote cable for use with ACK ELTs
E0102	E0102	Top battery case for ACK ELTs
E0102A	E0102A	Brass hex nut, #4-40 x 12.2 mm for ACK ELTs
E0102B	E0102B	Brass hex nut, #4-40 x 15.9 mm for ACK ELTs
E04.103MIL	E04.10.3.MIL	Audio alert cable / 12 Mil Spec for ACK ELTs
E041032MIL	E04.10.32.MIL	Remote cable / 32 Mil spec for ACK ELTs
611-0019	611-0019	Flat 6-pin x 4-connector, 18 in, crossed cable for ACK/Artex retrofit installations

MODEL 3000 ELT SYSTEM

POINTER INC


3000-10

The Model 3000 (AF/AP) and 3000 (AF) ELTs have been updated to meet the requirements of RTCA DO-183 for emergency locator transmitters. These models are interchangeable with existing units in form, fit, and function. Included in complete kits, the remote panel control switch includes a visual activation monitor as required in all automatic fixed (AF) installations and many of the automatic portable (AP) installations. The standard whip antenna and coaxial cable, previously supplied with the model 3000, remain interchangeable with these newer models. Other serviceable components may remain in use with the current model transmitter. The remote switch may use already existing wiring, and installation requires minimal panel space. The 3000-10 and 3000-11 transmitters incorporate an alkaline battery pack that is specifically designed to endure extreme short-term, thermal variations that meet the mechanical shock requirements of RTCA DO-183.

- Interchangeable with existing units in form, fit, and function
- The remote panel control switch includes a visual activation monitor

- Standard whip antenna and coaxial cable are interchangeable
- Remote switches may use already existing wiring, and installation requires minimal panel space
- Emergency voice transmission capable on the 3000-10 transmitter if desired

Weight:	1.9 lb (0.86 kg)
Dimensions:	7-5/8 x 3-/12 x 2-3/4 in (19.4 x 9 x 7 cm)
Frequency:	121.493925 MHz – 121.506075 MHz

EDMO#	MFR#	DESCRIPTION
3000-10	3000-10	Model 3000 Pointer ELT System
ACCESSORIES		
2005	2005	Gasket
2019-10	2019-10	Remote switch
2020-0	2020	2-year alkaline ELT Battery Pack
8019A	8019A	Remote panel switch with harness | Includes BRC module and Amphenol connector
8316-1	8316-1	G-switch
7938174-55	7938174-55	Lithium Battery

MODEL 8000 ELT SYSTEM

POINTER INC



8000-1

The Pointer model 8000 series ELT transmits on both 406 and 121.5 MHz and is comprised of six interchangeable modules, providing quick turnaround times for repair or programming. The Model 8000 ELT is compliant with TSO-C126 and COSPAS/SARSAT C/S T.001 requirements. The cockpit-mounted remote switch is capable of testing and resetting the ELT and monitoring the RF signal and battery status as required by RTCA DO-204A. The ELT can also be controlled by a separate, self-contained remote switch that is powered by the ELT battery.

- ELT controls include a cockpit panel monitor and switch and a self-contained remote switch
- Complies with the requirements of TSO-C126 and COSPAS-SARSAT C/S T.001
- Cessna aircraft and Robinson helicopter conversion kits available
- Supplied with a low profile 406/121.5 MHz, 8-inch monopole antenna for use in installations designed for up to 200 knots
- Lithium battery pack meets environmental requirements of RTCA DO-204A

Weight:	3.25 lb (1.5 kg)
Dimensions:	8.5 x 3.5 x 4 in (216 x 89 x 102 mm)
Frequency:	121.5 MHz / 406.037 MHz
Temperature range:	Operating: -20°C to 55°C

EDMO#	MFR#	DESCRIPTION
8000-1B	8000-1B	8000 ELT system | Includes: battery pack, mounting bracket, external antenna, coax cable, remote switch (8019B), master switch guard kit, and manual
ACCESSORIES		
8009	8009	Remote ELT panel switch

NEED TO REPROGRAM AN ELT? EDMO CAN HELP

EDMO utilizes factory trained personnel to reprogram your ELT, dongle, or program adapter to a country approved Cospas-Sarsat protocol To properly reprogram a beacon, we need some information from you. You will also need information from the manufacturer to ensure the ELT is properly installed and registered. Give us a call at 1.800.235.3300 or visit edmo.com for more information.



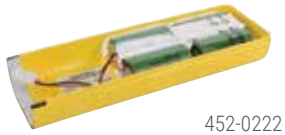
ELT BATTERIES

REPLACEMENT ELT BATTERIES

EDMO#	MFR#	DESCRIPTION	COMPATIBLE ELTS
ACR/ARTEX ELT BATTERIES			
452-0128	452-0128	2-year | 6V lithium battery	Artex ELTs
452-0129	452-0129	5-year lithium battery	SLB-406 locator beacon
452-0130	452-0130	2-year alkaline battery	ELT 110-4 & 110-6
452-013002	452-013002	2-year alkaline battery	ELT 100HM
452-0131	452-0131	5-year lithium battery	G406-1 & G406-2
452-0133	452-0133	5-year lithium battery	C406 & B406
452-0222	452-0222	5-year lithium battery	G-406-4
452-3063	452-3063	2-year alkaline battery	ELT 200
8302	8302	6-year lithium battery	ELT 1000
8315	8315	6-year lithium battery	ELT 3000 & ELT 3000 HM
8322	8322	6-year lithium battery	ELT 345
8340	8340	5-year alkaline battery	ELT 4000
OROLIA/KANNAD			
20516-99A	S1820516-99	BAT300: 6-year lithium battery	Kannad 406AF, 406AF-H, 406AP, 406AP-H, 121AF, 121AF(6D), & 121AF-H
40510-01	S1840510-01	BAT200: 6-year lithium battery	KANNAD Integra and Compact ELTs


452-0128


452-0133


452-0222


8322


8302


8315


8340


20516-99A


40510-01

10

Not finding what you need?

Did you know that EDMO has a large inventory of ELTs? If you don't see what you need here, it's likely we have it, or can order it in for you. As always, give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

EDMO#	MFR#	DESCRIPTION	COMPATIBLE ELTS
ACK			
E-04.0	E-04.0	5-year lithium battery	E-04 ELT
POINTER			
2020-0	2020	2-year alkaline battery	Model 3000 & 4000 ELTs
8008	8008	5-year battery	8000 series
MERL			
BP-1005	BP-1005	2-year alkaline battery	Larago ELTs
BP-1010	BP-1010	2-year alkaline battery	Narco ELTs
BP-1015	BP-1015	2-year alkaline battery	Sharc 7 ELTs
BP-1020	BP-1020	2-year alkaline battery	Dorne & Margolin 6.1 & 8.1 ELTs
BP-1026	BP-1026	2-year alkaline battery	CIR-11 ELTs
BP-1030	BP-1030	2-year alkaline battery	Pointer 3000 Series ELTs
BP-1035	BP-1035	2-year alkaline battery	Garrett Rescu/88 Negative Ground ELTs
BP-1036	BP-1036	2-year alkaline battery	Garrett Rescu/88 Positive Ground ELTs
BP-1045	BP-1045	2-year alkaline battery	EBC-102 & EBC-302 ELTs


E-04.0


8008


2020-0


BP-1005


BP-1010


BP-1015


BP-1020


BP-1026


BP-1036


BP-1030


BP-1045

10

EDMO: YOUR SOURCE FOR EMERGENCY SOLUTIONS

EDMO is committed to sourcing and providing the best emergency solutions. From ELTs, PLBs, and ELT Testers to Underwater Locator Beacons & Test Sets, EDMO has all the supplies to keep aircraft owners prepared and their emergency equipment at the ready for unexpected situations. Visit us at edmo.com or call 1.800.235.3300 for more information.



ELT ANTENNAS

110-324 ELT WHIP / 121.5 & 234 MHZ

ACR/ARTEX
EDMO# 110-324
MFR# 110-324

The 110-324 is a dual-band black whip antenna with an inductor. Transmits on 121.5 and 243 MHz and is designed for speeds up to 200 knots TAS.

- Compatible with ELT 110-4, ELT 200, and ELT 110-406



Height:	17.4 in
Frequency:	121.5 MHz & 234 MHz
VSWR:	2.0:1 (121.5/243 MHz)
Altitude:	50,000 ft
Connector:	BNC (female)

110-329 ELT WHIP / 406 MHZ

ACR/ARTEX
EDMO# 110-329
MFR# 110-329

The 110-329 whip type, single-band ELT antenna for use with Artex ELT 110-406. The 110-329 transmits on 406 MHz only and has a nickel finish.

- Compatible with ELT 110-406



Height:	7 in
Frequency:	406 MHz
VSWR:	1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω
Altitude:	50,000 ft
Connector:	TNC (female)

110-343 ELT WHIP / 121.5, 243, & 406 MHZ

ACR/ARTEX

The 110-343 ELT whip type antenna uses Tri-Band technology to provide signal on 121.5 MHz, 243 MHz, and 406 MHz frequencies. This antenna is compatible with the C406-1 ELT.



Height:	17 in
Frequency:	121.5 MHz, 243 MHz, & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Altitude:	55,000 ft
Connector:	BNC (female)

EDMO#	MFR#	COLOR
110-343	110-343	White
110-343-01	110-343-01	Black

110-418 ELT FLEXIBLE WHIP / 406 MHZ

ACR/ARTEX
EDMO# 110-418
MFR# 110-418

The 110-418 is a replacement 1/4-wave, flexible whip antenna for the Artex ELT Test Set.



110-773 ELT WHIP / 121.5 & 406 MHZ

ACR/ARTEX
EDMO# 110-773
MFR# 110-773

The 110-773 is a dual-band whip antenna designed for use with the ME406 series emergency locator transmitter. This portable antenna will provide signal on 121.5 MHz and 406 MHz frequencies.

- 121.5 MHz & 406 MHz frequencies
- Portable, whip antenna
- BNC female connector



Height:	15 in
Frequency:	121.5 MHz & 406 MHz
VSWR:	2.0:1 (121.5 MHz), 1.5:1 (406 MHz)
Connector:	BNC (female)

AV-100 ELT WHIP / 121.5 & 406 MHZ

R A MILLER
EDMO# AV-100
MFR# AV-100

The AV-100 is a passive ELT antenna designed for general aviation use. It is a two-frequency wire whip antenna for low-speed aircraft up to 250 knots. This antenna meets DO-160G, Section 8, Category U for helicopter installations with unknown rotor frequencies.



Frequency:	121.5 MHz & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω, nominal
Connector:	BNC (female)
Approvals:	TSO-C126a

AV-200 ELT WHIP / 121.5 & 406 MHZ

R A MILLER

The AV-200 is a passive ELT antenna designed for general aviation use. It is a two-frequency wire whip antenna for aircraft with speeds up to 250 knots.



Height:	24 in
Frequency:	121.5 MHz & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω, nominal
RF power capacity:	10 watts
Connector:	BNC (female)

EDMO#	MFR#	COLOR
AV-200	AV-200	White
AV-200-B	AV-200-B	Black

ANT 100 ELT WHIP / 121.5, 243, & 406 MHZ

OROLIA
EDMO# 0124206
MFR# 0124206

The 0124206 is an auxiliary whip antenna that can be paired with any Kannad ELT to essentially make it a portable survival unit. The antenna conveniently stores under the ELT tray VELCRO® mounting strap.

- Portable antenna
- BNC connection



E-04.8 ELT WHIP / 121.5 & 406 MHZ

ACK TECHNOLOGIES INC.
EDMO# E-04.8
MFR# E-04.8

The E-04.8 is a whip antenna designed for the E-04 406 emergency locator transmitter. It features a monopole, dual-frequency design, and can operate up to 260 knots.

- 1/2-inch mounting hole



EDMO#	MFR#	DESCRIPTION
E-04.8	E-04.8	Whip antenna
ACCESSORIES		
E-04.10112	E-04.10.1.12	Static suppressor

8001-15 ELT WHIP / 121.5 406 MHZ

POINTER INC
EDMO# 8001-15
MFR# 8001-15

The 8001-15 low-profile, 7-inch whip antenna that operates on 121.5 & 406 MHz. It is designed to be used with the Model 8000 ELT from Pointer.



110-333 ELT BLADE - DUAL INPUT / 121.5, 243, & 406 MHZ

ACR/ARTEX

The 110-333 is a tri-band blade-type antenna that operates on 121.5, 243, and 406 MHz frequencies. This unit is equipped with a dual connector installation type.



Height:	10.1 in
Frequency:	121.5 MHz, 243 MHz & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω, nominal
Connector:	BNC (female) for 121.5/243 MHz, TNC (female) for 406 MHz

EDMO#	MFR#	COLOR
110-333	110-333	White
110-333-04	110-333-04	Black

110-337 ELT BLADE- DUAL INPUT / 121.5, 243, & 406 MHZ

ACR/ARTEX
EDMO# 110-337
MFR# 110-337

The 110-337 is a tri-band, dual-input blade antenna that uses Artex's Tri-Band technology to transmit on 121.5, 243, and 406 MHz frequencies. The 110-337 is equipped with a two-connector setup and has a gloss white finish.



Height:	7.75 in
Frequency:	121.5 MHz, 243 MHz, 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω, nominal
RF power capacity:	50 watts
Altitude:	50,000 ft
Connector:	BNC (female) for 121.5/243 MHz TNC (female) for 406 MHz

110-340 ELT BLADE/121.5, 243, & 406 MHZ

ACR/ARTEX

The 110-340 is a tri-band, high-speed, blade antenna that is equipped with innovative Tri-Band technology, bringing the 121.5, 243, and 406 MHz frequencies into a compact package. The 110-340 offers a single connector for those installations that require that setup.



Height:	14 in
Frequency:	121.5 MHz, 243 MHz, & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω
RF power capacity:	50 watts
Altitude:	55,000 ft
Connector:	BNC female

EDMO#	MFR#	COLOR
110-340	110-340	White
110-340-1	110-340-1	Gray

110-341 ELT BLADE/121.5, 243, & 406 MHZ

ACR/ARTEX
EDMO# 110-341
MFR# 110-341

The 110-341 tri-band, blade antenna operates on 121.5 MHz, 243 MHz, and 406 MHz. The 110-341 offers a single connector for those installations that require that setup. This antenna features a molded blade construction to defense standard 80-161 and has a gloss white finish.



Height:	10.1 in
Frequency:	121.5 MHz, 243 MHz, & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω
RF power capacity:	50 watts
Altitude:	55,000 ft
Material:	Molded blade / gloss white to defense standard 80-161
Connector:	BNC (female)

110-320 ELT ROD–DUAL INPUT/121.5, 243, & 406 MHZ

ACR/ARTEX
EDMO# 110-320
MFR# 110-320

The Artex 110-320 antenna is designed with a glass-reinforced, polyester housing and uses a proprietary tri-band technology to provide signal transmission on 121.5, 243, and 406 MHz with 10 dB of isolation between ports. Use 280-0320, the optional gasket for 110-320, for installation. This antenna has a gloss white finish.



Height:	15.5 in
Frequency:	121.5 MHz, 243 MHz, & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω, nominal
RF power capacity:	25 watts
Altitude:	55,000 ft
Gasket:	B31725
Connector:	BNC (female) for 121.5, 243 MHz TNC (female) for 406 MHz

110-323 ELT ROD - DUAL INPUT / 121.5, 243, & 406 MHZ

ACR/ARTEX
EDMO# 110-323
MFR# 110-323

The Artex 110-323 is a tri-band, dual input rod antenna design to operate on 121.5, 243, 406 MHz frequencies. This antenna has a gloss white finish.



Height:	14.5 in
Frequency:	121.5 MHz, 243 MHz, & 406 MHz
VSWR:	2.0:1 for 121.5/243 MHz 1.5:1 for 4.6 MHz
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω, nominal
RF power capacity:	40 watts
Altitude:	50,000 ft
Connector:	BNC (female) for 121.5/243 MHz TNC (female) for 406 MHz

110-338 ELT ROD / 121.5, 243, & 406 MHZ

ACR/ARTEX
EDMO# 110-338
MFR# 110-338

The 110-338 antenna uses Artex's Tri-Band technology to provide signal on 121.5, 243, and 406 MHz. This antenna is equipped with a single connector setup for installations that require a single connector setup. This antenna is constructed with a durable, glass-reinforced polyester housing.



Height:	15.5 in
Frequency:	121.5 MHz, 243 MHz, & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Impedance:	50Ω, nominal
Altitude:	50,000 ft
Connector:	BNC (female)

EDMO#	MFR#	COLOR
110-338	110-338	White
110-338-1	110-338-1	Black

AV300 ELT ROD / 121.5, 243, & 406 MHZ

R A MILLER

The AV-300 ELT antenna is intended for use with a 406 MHz ELT (Emergency Locator Transmitter) for general aviation. It is a passive three-frequency fiberglass rod whip antenna, designed for low-speed aircraft (up to 350 knots). It has met DO-160G, Section 8, Category U requirements for robust vibration and is qualified for installation on helicopters with unknown rotor frequencies.



Height:	14 in
Frequency:	121.5 MHz, 243 MHz, & 406 MHz
VSWR:	2.0:1 (121.5/243 MHz), 1.5:1 (406 MHz)
Polarization:	Vertical
Radiation pattern:	Onmi-directional
Impedance:	50Ω, nominal
RF power capacity:	10 watts
Connector:	BNC (female)

EDMO#	MFR#	DESCRIPTION
AV-300	AV-300	AV300 ELT Rod
0146151	0146151	AV300 for use with Kannad ELTs
ACCESSORIES		
19-1568-2	19-1568-2	Hardware installation kit AV antennas

3001-12 LOW PROFILE ANTENNA

POINTER INC
EDMO# 3001-12
MFR# 3001-12

The 3001-12 low-profile ELT antenna that is tuned to operate on 121.5 MHz and 243 MHz has a 12-inch length and is swept back 20°. This antenna can use a custom length RG-58 cable or Pointer part 3002-10. This ELT antenna can be used in conjunction with TSO-C91 and TSO-C91a-approved ELTs and aircraft with a rating of 250 knots.



110-775 PORTABLE ELT ANTENNA / 121.5 & 406 MHZ

ACR/ARTEX
EDMO# 110-775
MFR# 110-775

The 110-775 is a portable antenna designed for use with the Artex ME406P ELT. This dual-band antenna operates on 121.5 MHz and 406 MHz frequencies.



ELT TEST SETS

FPT 8800 ELT PROGRAMMING TABLET

ACR/ARTEX



The FPT 8800 series ARTEX field programming tablet provides a ruggedized and simple-to-use ELT support tool that is suitable for both bench and field applications. Built on the Microsoft Surface framework, the ARTEX FPT is a cutting-edge device designed to retrofit seamlessly with your existing ELTs in the field and bring a new era of efficiency and reliability to your operations.

- Provides a user-friendly interface and a familiar, intuitive experience while improving accessibility and flexibility
- A cost-effective solution that streamlines your current ELT maintenance process and eliminates any third-party programming
- Effortlessly program ELTs with the user-friendly interface, which saves time while reducing the potential for errors
- Access and modify critical settings with precision
- Easily store, retrieve, and verify programming data and history to ensure compliance and readiness
- Designed to evolve with your needs, the FPT Programmer receives regular software updates to stay ahead of industry standards and regulations
- Capable of programming the desired protocol, NAV data baud rate, and required information as outlined by Cospas-Sarsat through the applicable programming cable
- ARTEX FPT can print a report for your records of customer verification

Weight:	1.15 lb
Dimensions:	9.65 x 6.9 x 0.33 in
Memory:	8GB LPDDR5 RAM
Storage:	UFS Drive: 64GB
Display:	Touchscreen: 10.5-inch PixelSense™ Display
Battery Life:	Up to 12.5 hours of typical device usage
Operating Temperature:	32°F to 95°F (0°C to 35°C)
Security:	Hardware TPM 2.0 chip for enterprise-grade security and BitLocker support.
Ports:	USB-C® 3.1 (data, DisplayPort and charging)
Network and Connectivity:	Wi-Fi 6: 802.11ax compatible / Bluetooth® Wireless 5.1
Software:	Proprietary ARTEX FPT Programming Software

EDMO#	MFR#	DESCRIPTION
8806	8806	General Aviation Kit, ELT 345, ELT 1000, and ME406
8807	8807	Standard Aviation Kit, ELT 345/1000, ME406, C406 series, B406-4, and G406-4
8808	8808	Commercial Aviation Kit, ELT 345/1000, ME406, C406 series, B406-4, and G406-4
8809	8809	Commercial Aviation Kit, ELT 4000S

ACR/ARTEX TEST SET ACCESSORIES

EDMO#	MFR#	DESCRIPTION
500-3000	500-3000	30 dB attenuator
500-3200	500-3200	20dB inline Attenuator, BNC
611-0024	611-0024	Inline test harness
611-6013	611-6013	Coax antenna cable with BNC connectors for single output ELTs
611-6013-04	611-6013-04	Coax antenna cable with BNC connector and a 6 ft length
611-6052	611-6052	Teflon coaxial antenna cable, TNC to TPS, 6 ft in length
611-9010	611-9010	6 ft coax cable with TPS & BNC connectors for dual output ELTs

BT200 HANDHELD BEACON TESTER

WS TECHNOLOGIES



The BT200 is a portable handheld Beacon Tester that will test and measure all approved Cospas-Sarsat 406 MHz emergency beacons.

- Measure and decode all 406, 121.5, 243 MHz frequency parameters
- Measure all First and Second Generation Beacons (FGB & SGB)
- Measure all ELTs, EPIRBs, and PLBs
- Receiver is fully integrated into IP67 Android smart device
- Create custom PDF Test Reports
- Receive real-time measurement details with Oscillograph feature
- Receive full RF power from ELT with no attenuator required
- Use antenna mode to test ELT over the air (up to 10m)
- Transfer data via USB to PC or printer
- Exceeds IMO, FAA, IC, and EuroCAE ELT certification requirements
- Download free software and firmware updates

INCLUDED WITH THE BT200:

BT200 Beacon Tester, RF input cable, USB interface cable, OTG/USB cable, Operator's Manual, AC adapter, waterproof hardcase, screen cleaning cloth, Certificate of Calibration and Certificate of Conformance.

EDMO#	MFR#	DESCRIPTION
BT200-2100	BT200-2100B	BT200 ELT Tester
SOFTWARE OPTIONS		
SGB	SGB	Measure Second Generation Beacons
Limit Tester	Limit Tester	User Defined Custom Pass/Fail Criteria
INTERFACE CABLES		
130-030	130-030	BNC to TPS Cable, 3 ft
130-031	130-031	BNC to BNC Cable, 3 ft
130-032	130-032	BNC to TNC Cable, 3 ft
130-033	130-033	BNC to BNC Cable, Custom Length 1-100 ft
130-034	130-034	MCX-m to MMCX-f RF Cable, 8 in
130-036	130-036	BNC to SMA-m Cable, 3 ft
ACCESSORIES		
850-CMB102	850-CMB102	121/406 Signal Combiner/Separator
850-CMB122	850-CMB122	121-243/406 Signal Combiner/Separator

FBM200A 406 ELT BEACON MONITOR

WS TECHNOLOGIES, INC
EDMO# FBM200A
MFR# 910-FBM200A



The 406 ELT Beacon Monitor from WS Technologies, Inc. provides real-time monitoring for all Cospas-Sarsat 406 MHz beacon transmissions. This device displays and decodes 406 messages with the ability to automatically receive all past, present, and future Cospas-Sarsat channels. All information is organized in an XML format for use in a database; additionally, information can be time-stamped and data logged. A GPS antenna and receiver allow the user to obtain precise geographical data which is then automatically mapped to Google Earth__, making it easy to view the GNSS location data with Google's detailed array of mapping features. Users can connect it to their PC via USB or Ethernet cables - the latter has the added benefit of allowing users remote management and diagnostics options.

- Monitors 406 ELTs in real time, displays and decodes messages, measures and displays RSSI (receive signal strength), and displays distance to beacon
- Automatically receives all past, present, and future Cospas-Sarsat channels with -125 dBm sensitivity (software adjustable sensitivity)
- Automatically map the location of the decoded GNSS location data into Google Earth™ for easy viewing and access to a detailed geographical interface
- Data is XMP formatted for use in database applications
- Can send alerts via email and/or with a time stamp
- Connects to a user's PC with a USB cable or Ethernet interface, which allows for remote management and diagnostics; power is supplied through the connection through a connection to a USB port or an AC adapter
- Multiple units can be connected together for a wider range of coverage
- Includes USB cable (2 m length), AC to USB adapter, Ethernet cable (2 m length), molded 406 MHz monopole antenna, GPS active antenna (5 m length), certificate of calibration, operator's manual, and user interface software

Weight:	0.5 lb
Dimensions:	4.3 x 2.5 x 1.0 in
406 MHz sensitivity:	-125 dBm
406 MHz input frequency:	406.0 – 406.1 MHz
406 MHz RF input VSWR:	1.20:1
406 MHz input impedance:	50Ω
406 MHz input connector:	SMA (female) RP
Out of band rejection:	>145 dB (<400 MHz, >413 MHz)
Harmonic image rejection:	>95 dB
GPS antenna port bias:	+3.3V @ 40 mA max
GPS antenna connector:	SMA (female)
Receiver power requirements:	5V @ <500 mA (from USB port)
Temperature range:	Operating: -40°C to 85°C Storage: -55°C to 85°C

STB100 BEACON TEST BENCH

WS TECHNOLOGIES
EDMO#: STB100
MFR#: STB100



The STB100 is a PC based Beacon Test Bench that will test and measure all approved Cospas-Sarsat 406 MHz emergency beacons.

- Measure and decode all 406, 121.5, 243 MHz frequency parameters
- Measure all First and Second Generation Beacons (FGB & SGB)
- Measure all ELTs, EPIRBs, and PLBs
- Measure and compute 406 MHz Frequency Stability
- Measure beacon leakage current

- Monitor DC supply to beacon 1 to 30v, 5mA to 8A
- Measure Vin to Vout low dropout of 50mV/A
- Monitor dual temperature channels
- Create custom PDF Test Reports
- Receive real-time measurement details with Oscillograph feature
- Receive full RF power from ELT with no attenuator required
- Use antenna mode to test ELT over the air (up to 10m)
- Exceed IMO, FAA, IC, and EuroCAE ELT inspection requirements
- Customize software with optional API Set
- Download free software and firmware updates

INCLUDED WITH THE STB100:

STB100 Beacon Test Bench, AC power cord, USB to PC cable, Active GPS antenna, RF input antenna, Operator's Manual, Certificate of Calibration, Certificate of Conformance.

EDMO#	MFR#	DESCRIPTION
STB100	STB100	STB100 Beacon Test Bench
SOFTWARE OPTIONS		
SGB	SGB	Measure Second Generation Beacons
API SET	API SET	Custom GUI or Automated Test Environment
INTERFACE CABLES		
130-030	130-030	BNC to TPS Cable, 3 ft
130-031	130-031	BNC to BNC Cable, 3 ft
130-032	130-032	BNC to TNC Cable, 3 ft
ACCESSORIES		
850-CMB102	850-CMB102	121/406 Signal Combiner/Separator
850-CMB122	850-CMB122	121-243/406 Signal Combiner/Separator
850-BB100	850-BB100	USER I/O Breakout Board
850-PRB100	850-PRB100	Temperature Probe
850-104	850-104	Custom Waterproof Hardcase

TSE100B SCREEN BOX

WS TECHNOLOGIES, INC
EDMO# TSE100B
MFR# TSE100B



Designed specifically for testing Cospas-Sarsat beacons, the TSE100B Screen Box provides the ideal solution for testing ELT, EPIRB, or PLB units in combination with a BT100, BT200, or STB100 series beacon testers. The TSE100B Screen Box allows for verification of an ELT in normal activation mode—not just in self-test mode. This gives users confidence when verifying a beacon's encoded GPS capabilities and testing the G-switch without worrying about trigging false alerts. The technician retains full control of the ELT and beacon tester with its patented screened gloves, RF shielded window, and interior illumination. The TSE100B is perfect for use on the benchtop or as a lightweight and portable RF screen box out in the field. Verifies ELTs in normal activation mode.

- Verifies the beacon's GPS
- Tests the G-switch in a shielded environment

Weight:	16 lb
Dimensions:	18 x 12 x 12 in (outside) 17 x 11 x 8.5 in (inside)
Shield effectiveness:	>90 dB for 121.5, 243, & 406 MHz
Power requirements:	USB: 5V <500 mA

MINI ELT TESTER KIT

ICARUS INSTRUMENTS INC



The ELTT-124M mini ELT tester accurately measures an ELT's output power and frequency on 121.5, 243, and 406 MHz and verifies the decoding of the ELT's ID, GPS location, country code, and serial number. This device is compatible with any wifi-capable device with a web browser, including smart phones, tablets, laptops, or desktop computers. The ELTT-124M displays the user interface along with the ELT test data right in the web browser on the user's device. All measurements can then be stored and archived directly on the user's device for inclusion in the aircraft's records. Included with this ELT tester is an antenna for over-the-air testing, as well as an attenuator and cables for directly connecting to the ELT.

- Accurately measures any ELT's output power and frequency on 121.5, 243, and 406 MHz
- Verifies proper decoding of the ELT's ID, GPS location, country code, serial number, and other ELT data
- Works with any smart phone, tablet, or laptop computer—no apps to download—just wifi and a browser are all that is needed
- Includes an antenna for over-the-air testing and also an attenuator and cables to connect directly to an ELT

Weight:	5 oz
Dimensions:	3.3 x 2.1 x 0.8 in

EDMO#	MFR#	DESCRIPTION
ELTT-124M	ELTT-124M	Mini ELT Tester Kit | Includes antenna
ACCESSORIES		
ELTT-124AM	ELTT-124AM	Attenuator for the ELTT-124M | Includes 5 ft BNC to DMA cable for connecting

UNDERWATER LOCATOR BEACONS & TEST SETS

UNDERWATER LOCATOR BEACON

DUKANE



The DK Series beacons consist of a self-contained battery, an electronic module, and a transducer. It is housed in a cylindrical, watertight aluminum case capable of withstanding high-G impact shock and deep-water immersion. The DK-140 underwater locating beacon can operate to a depth of 20,000 feet and is authorized by the FAA. The duration of battery life in use is six years, while its operating life has a 30-day minimum range; it boasts a field-replaceable battery.

- Improved low voltage technology
- Meets or exceeds all the FAA requirements without requiring modifications

Weight:	Less than 4.9 oz (including battery)
Dimensions:	1.3 x 2.97 in

Operation depth:	Surface to 20,000 ft
Pulse length:	9 milli-seconds, minimum
Acoustic output:	Initial: 1,060 dynes/cm^2 RMS pressure @ 1 meter (160.5 dB) after 30 days: 700 dynes/cm^2 RMS pressure @ 1 meter (157.0 dB)
Radiation pattern:	Rated output over 80% of sphere
Temperature range:	Operating: -2.2°C to 37.8°C (28°F to 100°F) Storage: -55°C to 85°C (67°F to 185°F)

EDMO#	MFR#	DESCRIPTION
DK-140	DK-140	Underwater Locator Beacon
ACCESSORIES		
810-546	810-546	PVC Vice Clamp

UNDERWATER ACOUSTIC BEACON

DUKANE



The DK120/90 is a battery-operated underwater acoustic pulse generator (beacon/pinger) that is activated when the water switch is immersed in either fresh or salt water. Providing a minimum of 90 days of uninterrupted operation once activated, this beacon meets or exceeds all FAA requirements. This beacon can assist in the location of CVR/FDR devices.

- Watertight aluminum case
- Capable of operation at depths of up to 20,000 feet
- Detectable at a range of 2000 to 4000 yards
- Sustained pressure up to 8700 psi
- Water switch actuation initiates beacon operation upon immersion in either fresh or salt water
- The battery used to power the DK120/90 will sustain beacon operation for a minimum of 90 days
- Acoustic output of 160 dB with an operating frequency of 37.5 kHz
- The water switch is part of a low-current triggering circuit
- The generated pulses are approximately 10 ms in duration and occur about once per 1 second

Weight:	Beacon - 6.7 oz Mount - 6 oz
Dimensions:	1.30 x 3.92 in
Operation depth:	Surface to 20,000 feet (6096 meters)
Pulse length:	9.0 milliseconds Minimum
Pulse repetition rate:	Not less than 0.9 Pulse/Sec.
Operating LIfe:	90 days (minimum)
Battery life:	7 years
Acoustic output:	Initial: 1060 dynes/cm^2 RMS pressure @ 1 meter (160.5dB) After 90 days: 700 dynes/cm^2 RMS pressure @ 1 meter (157.0dB)
Temperature range:	Operating: -2.2°C to +37.8°C (28°F to 100°F)
Radiation pattern:	Rated output over 80 percent of sphere
Certification:	TSO-C121b / ETSO-C121b TSO- C142a / ETSO-C142a

EDMO#	MFR#	DESCRIPTION
DK120-90	DK120-90	Underwater Acoustic Beacon
ACCESSORIES		
810-546	810-546	PVC Vice Clamp
810-2042-K	810-2042-K	Battery kit

TS500 ULTRASONIC TEST SET

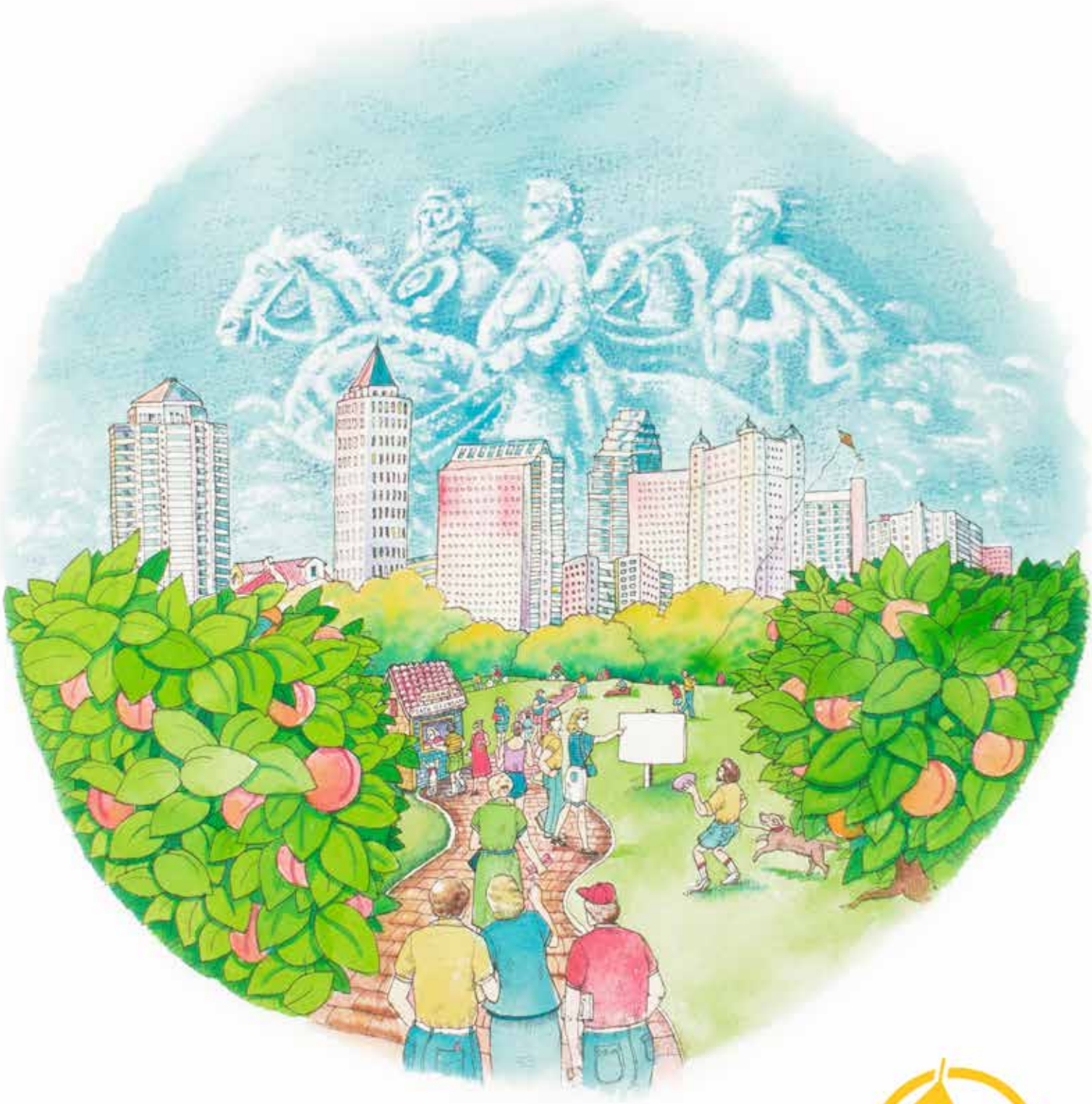
DUKANE
EDMO# TS500
MFR# TS500



The TS500 is a battery-operated heterodyne type receiver that operates at an ultrasonic frequency of 8.8 kHz and 37.5 kHz. The test set was designed primarily as a self-contained, hand held functional tester for testing the Low Frequency Underwater Acoustic Beacons.

Weight:	13 oz (368 g)
Dimensions:	3.3 x 6.5 x 1.2 in (8.4 x 16.5 x 3 cm)
Power supply:	(one) 9 volt battery





EDMO

FLASHBACK

Airband Communications

Panel Mount Transceivers & Radios 280
Satcom 282
Handheld Radios 283

PANEL MOUNT TRANSCEIVERS & RADIOS

A120 VHF AIRBAND TRANSCEIVER

ICOM AMERICA INC.



ICOM's A120 VHF Airband Transceiver is equipped with a crisp, clear, dot-matrix display; active noise cancellation (ANC) and automatic noise limiter (ANL*) technology; and straightforward programming and settings options that are accessible from the front panel. The A120 meets IP54 standards for dust protection and water resistance and can be connected to an optional Bluetooth unit for compatibility with third-party wireless Bluetooth headsets.

- Dot-matrix LCD display is easy to read with crisp, clear text (displays alphanumeric characters and icons)
- Memory channels and other radio settings can be programmed from the front panel (customizing functions can be restricted as needed, depending on the radio settings)
- Built-in Active Noise Canceling (ANC) reduces background noise in the received and transmitted signals; the automatic noise limiter (ANL) reduces pulse-type noise such as engine ignition (ANL and ANC functions cannot be used at the same time)
- The ON-Hook scan function automatically starts scanning when the hand microphone is hooked on the microphone hanger; the ON-Hook dualwatch feature checks the priority and operating channels alternatively while ON-Hook; when the microphone is taken OFF hook, scanning stops at the priority channel or the displayed channel
- Provides optional Bluetooth headset connectivity when the UT133 Bluetooth unit is added; this allows a third-party, wireless Bluetooth headset to be used with the A120 (when using an optional VS-3 Bluetooth headset, the side tone function becomes available)
- Third-party headsets can be used with the optional OPC-871A headset adapter; when configured this way, the user can use the side tone function to monitor his or her own transmitted voice via the connected headset even when using a hand microphone
- Optional HM217 speaker-microphone allows the user to listen to received audio through the HM217s built-in speaker; the speaker-microphone features up/down buttons as well as two programmable P1/P2 buttons that serve as a shortcut for activating frequently used functions
- Compatible with 12- and 24-volt systems
- 36W (PEP) RF output power
- Dualwatch and priority scan functions
- Power on password protection
- PC programming capability
- CI-V Commands for external control
- VEPG3 RoIP gateway for interconnecting with other radio devices

Weight:	3.3 lb
Dimensions:	6.3 x 1.77 x 7.6 in
Frequency Coverage:	118—138.992 MHz
Channel Spacing:	25 MHz / 8.33 MHz
Number of Channels:	200
Power Supply Requirements:	13.75 VDC or 27.5 VDC (automatic selection)
Current Drain:	TX high: 5.0 A (maximum) RX stand-by: 500 mA (maximum) RX max audio: 4.0 A (maximum)
Operating Temperature:	-30°C to 60°C
Includes:	Hand microphone (HM216), DC power cable, microphone hanger kit, mounting bracket kit, and fuses

EDMO#	MFR#	DESCRIPTION:
IC-A120	A120	VHF Airband Transceiver | vehicle mount
IC-A120B	A120B	Commercial Base Station | base station
IC-A120BE	A120BE	Commercial Base Station | 220V European
IC-A120BT	IC-A120BT	Transceiver with UT-133 Bluetooth installed
ACCESSORIES		
CS-A120	CSA120	A120 Programming Software
HM-216	HM216	Standard Microphone
HM-217	HM217	Hand Microphone with 2 Programmable Buttons
IAPS11	IAPS11	Power Supply and Cover for Base Station
MB-53 03	MB-53 03	Mobile Mounting Bracket | Includes: HM176 Mic, SP53, MBA3 and harness
OPC-871A	OPC592	Optional Headset Adapter
OPC-592	OPC592	Adapter Cloning Cable
OPC-344	OPC-344	DC Power Cable
UT-133	UT133	Optional Bluetooth Module
VS-3	VS3	Bluetooth Headset | Works with UT133 Module
8900019430	8900019430	Ribbon cable for panel mount
EDI-SPEAK	-	External PA Speaker Kit

A220 VHF AIRBAND TRANSCEIVER

ICOM AMERICA INC.



ICOM's A220 VHF Airband Transceiver improves on the features of its predecessor with a wide, bright display with a 170-degree viewing angle and an automatic squelch function. The A220's wide-angle display uses the same bright organic light-emitting diodes (OLED) display as its predecessor, complete with white backlighting to produce crisp, bright lettering on a black background. The automatic squelch function adjusts the squelch level to maintain a received call by monitoring, while a manual squelch allows the pilot to instantly adjust the squelch level as needed. The A220 provides a few different functions to make channel selection easier, such as a mode to flip-flop between channels, monitor two channels simultaneously, or record the last 20 channels used with the auto-stack memory. Additionally, this unit has a built-in, voice-activated intercom function that allows the pilot to talk with the copilot via a headset (adjustable audio level and squelch control functions are also provided). A GPS memory function also allows the A220 to receive and store GPS data when connected to an external GPS receiver.

- Built-in DC-DC converter accepts 12- and 24-volt power sources
- NOAA weather channel receive (USA only)
- One-touch access to 121.5 MHz emergency frequency
- Side tone function ANL (automatic noise limiter) function
- PC programmable
- D-sub, 25-pin connector for easy installation
- Two types of menu mode; settings and configuration menu

Weight:	2.2 lb
Dimensions:	6.3 x 1.34 x 10.67 in
Frequency Coverage:	Tx/Rx: 118—136.992 MHz Rx Wx: 161.650—163.275 MHz
Channel Spacing:	8.33 kHz / 25 kHz
Number of Channels:	20 regular memory, 50 group memory, 10 GPS, 10 Weather, 20 auto stack memory
Power Supply Requirements:	13.8 VDC / 27.5 VDC (negative ground)
Frequency Stability:	±5 ppm
Output Power:	Tx: 8 watt, typical (carrier power)
Operating Temperature:	-30°C to 60°C

EDMO#	MFR#	DESCRIPTION
IC-A220	A220	VHF Airband Transceiver | panel mount
IC-A220B	A220B	VHF Airband Transceiver | base station
IC-A220M	A220M	VHF Airband Transceiver | vehicle mount
ACCESSORIES		
CS-A220	CSA220	A220 Cloning software
HM-176	HM176	Hand microphone
K220A	K220A	Aviation mobile antenna | Includes: 30-inch whip antenna, magnetic base, and 17-inch cable
K220C	K220C	Roof mount antenna | Includes: 30-inch whip and 17-inch cable
MBA-3	MBA3	Rear panel adapter with card edge
MB-53 02	MB53	Vehicle mounting bracket kit | Includes: mobile mount tray, DC power cable (with connector), hardware kit, SP-5 speaker, HM176 hand microphone
PS80	PS80	Desktop power supply
SP-35	SP-35	External speaker
SM-26	SM-26	Desktop microphone
5060000022	5060000022	Replacement display A210, A220
6510030970	6510030970 CR7E-30DB-3.96E(72)	Connector with pins
96916628	96916628	Rear connector install kit

FL-M1000A VHF AIRBAND MOBILE RADIO

FLIGHTLINE



The FL-M1000A is a land mobile airband radio design for vehicle (non-aircraft) use. This radio operates in the 118 MHz to 136 MHz frequency range and provides carious built-in scan functions. The user can operate this radio with either a handheld microphone or headset and choose either the external speaker or headphone for audio output.

- Highly visible in alpha-numeric display
- Provides multiple scanning functions
- Operates in the 760-channel VFO mode
- Compatible with standard push-to-talk switch and air-band headset
- Front panel control of an external speaker

Weight:	4 lb
Dimensions:	5.9 x 7.5 x 2 in
Frequency range:	118–136.975 MHz
Frequency stability:	±5 ppm
Channel spacing:	25 kHz
Output:	9.44 watts
Number of channels:	99
Power supply requirement:	13.8 VDC to 26.4 VDC
Current drain (at 13.75 VDC):	Tx: 6 A Rx: 6 A (receive) / 250 mA (stand-by)
Mode:	6k00A3E
Antenna connections:	SO-239 *connector jack of FL-M1000A is SO-239
Temperature range:	Operating: -22°F to 140°F
Includes:	MP-100 hand mic, mic hanger and screws, 10-foot DC power cable with 10 -amp fuse, & mounting bracket kit

EDMO#	MFR#	DESCRIPTION
FL-M1000A	FL-M1000A	FL-M1000A VHF mobile radio
ACCESSORIES		
MP51000020	C00MP51000020	Hand microphone
PC-M	PC-M	Programming cable

TY91/92 VHF RADIOS

TRIG AVIONICS LIMITED



01079-00

Designed for GA and light sport aircraft, Trig Avionics' TY91 and TY92 are certified 25 kHz/8.33 kHz VHF radios that are compact and lightweight, making them ideal for panels with limited space. Both standard units consist of a radio hardware unit and a control head that can be mounted in a standard 2.25-inch round hole. In addition, Trig offers a Dual Control Kit version for both the TY91 and TY92 that allows two radio controllers to integrate with a single Trig radio hardware box; this configuration is ideal for training and flight school use. Users can choose from one of two power output options depending on their needs; the TY91 has a power output of 6 watts and the TY92 has a power output of 16 watts to accommodate longer-range transmissions.

- Provides more installation options while saving space with a control head and separate radio hardware
- Requires minimal space and weight—can be mounted in a 2.25-inch round hole or in a smaller compact mount; when installed, the control head is only 3 inches deep and can be installed in a panel where a single radio box doesn't fit
- Equipped with 9 programmable memories and a dual watch function that allows users to monitor standby frequency
- Perfect partner for Trig's TT21 and TT22 Mode S transponders
- Approved for fitting to European and FAA-registered aircraft
- FAA TSO and EASA ETSO certification
- Includes a built-in speaker amplifier and two-place intercom
- Ideal for flight training and two-place tandem aircraft and gliders, the "smart set" feature automatically duplicates menu settings on each controller to prevent confusion, while a clear display allows both pilots to see selections being made
- Common features between both controllers include volume adjustment, frequency selection, transmit, and flip-flop

Weight:	1 lb (standard)
Dimensions:	1.73 x 2.5 x 1.4 inches (controller) 1.89 x 2.6 x 6.3 inches (radio unit with socket)
Supply Voltage:	11–33 VDC (TY91) 22–33 VDC (TY92)
Typical Current Consumption:	200 mA receive @ 2A / transmit @ 14 V (TY91) 130 mA receive @ 2.5A / transmit @ 28 V (TY92)
Nominal Transmitter Power:	6 watt (TY91) 16 watt (TY92)
Certification:	TSO-C169a, TSO-C128a ETSO-2C169a, ETSO-2C128

EDMO#	MFR#	DESCRIPTION
TY91 VHF TRANSCEIVER		
00883-00	00883-00	TY91 Remote unit with mounting tray
01079-00	01079-00	TY91 Complete kit | Includes: TC90 control head, radio box unit, mounting tray, & install kit
01451-00	01451-00	TY91 Dual control unit
TY92 VHF TRANSCEIVER		
00881-00	00881-00	TY92 Remote unit
01080-00	01080-00	TY92 Complete kit | Includes: TC90 control head, radio box unit, mounting tray, & install kit
01452-00	01452-00	TY92 Dual control unit
ACCESSORIES		
01453-00	01453-00	TY91/TY92 install kit with manual
01454-00	01454-00	TC90 controller for TY91/TY92
00864-00	00864-00	TC90 install kit with manual
01987-00	01987-00	39-inch wiring harness
01988-00	01988-00	118-inch wiring harness

TY96A/97A AVIATION RADIOS

TRIG AVIONICS LIMITED



TY96

The TY96A and TY97A radios are superb slimline 760-channel VHF radios with 25 kHz spacing. They feature a slimline design at only 33mm (1.3 in) high. The TY96A is a 10-watt radio; the TY97A is a 16-watt version. These radios have no cooling fans, which means they can be easier and cheaper to accommodate in an old stack. With a clear, bright display and a superior user interface. The TY96A and TY97A have pilot-friendly features such as the unique 'Push Step' button, dual-watch, "Say Again," and an emergency button. The TY96A and TY97A radios give the flexibility to load over 200 frequencies and identifiers in the radio's memory using a USB stick. Also, a built-in two-place stereo intercom with support for stereo music ensures quality entertainment options are available.

- TY96A and TY97A are 760-channel radio with 25 kHz spacing
- Slim-line design measures only 1.3 inches in height and is highly efficient—no cooling fans required
- Bright, clear display with simple user interface and unique "Push-Step" button for faster tuning
- Stereo music/two-place intercom
- "Say it Again" feature for repeated playback of the last transmission
- Emergency button automatically sets 121.5 MHz
- USB port makes it possible to upload airfield databases containing 200+ preferred frequency
- Ideal for retrofits; integrate with legacy radios, including: KY 196A, KY 197A, and SL 40 models
- Free EASA minor change template available

Weight:	2.09 lb
Dimensions:	1.3 x 6.26 x 9.05 in
Supply Voltage:	11–33 VDC (TY96A) 22–33 VDC (TY97A)
Typical Current Consumption (receive mode):	265 mA @ 14 V (TY96A) 140 mA @ 28 V (TY97A)
Nominal Transmitter Power:	10 watt (TY96A) 16 watt (TY97A)
Certifications:	TSO-C128a, TSO-C169a ETSO 2C128, 2C169a,

EDMO#	MFR#	DESCRIPTION
01227-0001	01227-00-01	TY96 VHF transceiver stack radio
01229-0001	01229-00-01	TY97 VHF transceiver stack radio
01788-0001	01788-0001	TY96A VHF 10-watt transceiver complete system
01790-0001	01790-0001	TY97A VHF high power transceiver complete system
ACCESSORIES		
01650-00	01650-00	Installation Kit for TY96, 96A, 97, 97A

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SATCOM

SKYNODE S100

LATITUDE TECHNOLOGIES CORP



The SkyNode S100 is a complete tracking and data telemetry device in a small, lightweight package. The SkyNode S100 is capable of interfacing with multiple mapping and information management systems and it provides security and crew safety for air/ground logistics applications while making two-way data access possible anywhere via the global satellite network.

- Automatic flight following exceeds Forestry AFF live tracking requirements
- Reliable two-way data network/messaging
- Remote configurable
- Data logging and event triggers from external switches/buttons
- Internal fast-fix 20 channel WAAS GAS receiver
- Auxiliary GPS serial data output for Moving Map, Electronic Flight Bag, and 406 ELT's
- 000l flight schedule reporting
- Auxiliary backup battery option
- Bambi Bucket Mission Tracker compatible
- Latitude Air Tanker Information System ATIS compatible

Weight:	0.94 lb
Dimensions:	6.8 x 4 x 1.1 in
Power Input Voltage:	9–36 VDC
Current:	0.16 A (nominal) / 0.5 A (transmit)
Data Interfaces:	Serial data port for laptop/message terminal, Auxiliary GPS serial data output, 2 data ports, 7 discrete I/0, 3 analog inputs
Antenna Options:	Individual GPS and Iridium antennae, or dual element GPS/Iridium antenna
Programming & Network:	Iridium short burst data (SBD), Remote polling configuration, Custom event-based actions
Altitude:	50,000 ft
Operating Temperature:	-30°C to 60°C
RTCA Env.:	DO-160E Cat. A4-BAB[(SM)(U2F)]XXXXXXZBBXXXBXXXXX
Certification:	FAA, TCCA, and EASA STC's are available for helicopters and fixed-wing aircraft

EDMO#	MFR#	DESCRIPTION
S100-001	S100-001	SkyNode S100
ACCESSORIES		
KT006	L275-10002	Installation kit for S100 | Includes straight RF connectors, DB25 connector backshell & crimp pins

SKYNODE S200

LATITUDE TECHNOLOGIES CORP



S200-021

Building on the technology of the S100, the SkyNode® S200 provides phone access in conjunction with messaging and data capabilities via the Iridium satellite network. The S200 exceeds automated flight following (AFF) requirements mandated by US and Canadian Forest Agencies and interfaces with multiple mapping and data management systems. The S200 supports narrow-band networking for aircraft requiring text messaging, email, file transmission, and internet access so that users can work from any location.

- Auxiliary GPS serial data output for moving map, electronic flight bag, and 406 ELTs
- Internal G-switch for automatic anomaly reporting
- Complete voice satellite communications in a single enclosure
- Meets forestry live tracking requirements (AFF)
- Reliable 2-way data networking and messaging
- Remote polling configuration
- Data logging and event triggers from external switches/button and system bus sources
- Multiple voice communication interface options (see part table for more information)

Weight:	3.08 lb
Dimensions:	11.5 x 3.81 x 2.75 in
Power input:	12–34 VDC
Current:	0.5 A (nominal) @ 28 VDC / 0.8 A (transmit)
Interfaces:	Mic input: (-01x models): 150Ω Audio: 100mW into 8Ω or 600Ω (nominal) Serial data ports for laptop/messaging terminal ARINC-429 receive bus interface (xx2 models) RS-485 serial data bus interface (xx2 models) 2-wire POTS phone interface (x2x models) Auxiliary GPS data output
RF Interfaces:	Individual GPS and Iridium antennas or dual element GPS/Iridium antenna
Programming & Network:	Iridium Direct internet 2x, dial-up, FTP, UDP, TCP/IP Iridium SBD, SMS messaging, email, and FAX Custom event-based actions
Altitude:	50,000 ft
Operating Temperature:	-45°C to 70°C
Environmental Qualifications:	DO-160E Env. Cat. B2-BAB[(SM)(U2F)] XXXXXXZBBXXXBXXXXX
Certification:	FAA, TCCA and EASA STCs are available for over 900 different helicopters and fixed-wing aircraft

EDMO#	MFR#	DESCRIPTION
S200-021	S200-021	SkyNode S200 | Supports voice, tracking, data, and messaging
ACCESSORIES		
CN034	CN034	Power connector kit
CN060	CN060	Metal connector install kit

RC6000/A CONTROL DISPLAY UNIT

LATITUDE TECHNOLOGIES CORP



The RC6000/A control display unit features an intuitive display with large control buttons. The RC6000/A CDU has an integral switch button for emergency notification, “down and clear” reporting, and a “mark” button for designating locations. In addition to freeform messaging and telephone book, the RC6000/A display has visual cues for satellite signal strength and connectivity. The VFD display has two lines, or 48-character total, and interfaces to existing Skynode products, including the S100 and S200 models.

- The RC6000/A-1 model uses a 5-volt buss option for backlight dimming

Weight:	0.69 lb
Dimensions:	5.75 x 3 x 1.3 in
Power Requirements:	14–28 VDC ±15%
Current:	75 mA to 150 mA
Communications Protocol:	RS-232 (38400,8,N,1)
Panel Back Lighting:	5 VDC (RC6000/A-1 model)
Overpressure:	-15,000 ft
Altitude:	50,000 ft
Operating Temperature:	-45°C to 70°C @ 28 VDC -25°C to 70°C @ 14 VDC
Ground Survival Temperature:	-55°C to 85°C

EDMO#	MFR#	DESCRIPTION
RC6000/A-1	RC6000/A-1	Control display unit for S100 & S200 (5-V backlight bus)
ACCESSORIES		
KT011	KT011	Installation kit for RC6000/A control & display panel

HANDHELD RADIOS

A16 SERIES VHF HANDHELD

ICOM AMERICA INC.



IC-A16

The IC-A16 VHF Airband Handheld Transceiver is perfect for both ground crews and beginner pilots. The A16 is equipped with a powerful 1,500 mW audio output that is loud enough to be heard in noisy work environments. The large-capacity battery pack provides users up to 17 hours of operating time on a robust 2400 mAh Li-ion battery. It is compact, has a waterproof design, and is built to MIL-STD-810 (C, D, E, F, G) for added durability.

- 8.33 & 25 kHz channel spacing
- LCD and key backlight
- Compatible with aviation headsets
- Auto Noise Limiter (ANL) for noise reduction
- Side tone function
- Internal VOX capability
- 200 memory channels with names up to 8 characters
- BNC type antenna connector

Weight:	9.1 oz
Dimensions:	2.1 x 4.4 x 1.3 in
Frequency Coverage:	TX: 118.000 MHz – 136.99166 MHz RX: 108.000 MHz – 136.99166 MHz RX (Weather): 161.650 MHz – 163.275 MHz
Channel Spacing:	8.33 kHz/25 kHz
Number of Channels:	200
Power Supply Requirements:	7.2 VDC
Connector Type:	BNC
Type of Emission:	6K00A3E, 5K60A3E, 16K0G3E (Weather)
Antenna Impedance:	50Ω
Keypad	Full DTMF
Operating Temperature:	-10°C to 60°C (14°F to 140°F)

*continued on next page

EDMO#	MFR#	DESCRIPTION
A16 COMMUNICATIONS ONLY TRANSCEIVER		
IC-A16	A16 41	Includes: BP-280 battery pack, BC-213 rapid charger, BC-123SA AC adapter, FA-B02AR antenna, MB-133 belt clip, and a hand strap
IC-A16220	IC-A16 220	220V | Includes: BP-280 battery pack, BC-213E rapid charger, BC-123SE AC adapter, FA-B02AR antenna, MB-133 belt clip, and a hand strap
A16B BLUETOOTH AND COMMUNICATIONS TRANSCEIVER		
IC-A16B	A16B	Includes: BP-280 battery pack, BC-213 rapid charger, BC-123SA AC adapter, FA-B02AR antenna, MB-133 belt clip, and a hand strap
ACCESSORIES		
A16/U94	A16/U94	Helicopter headset adapter
CSA16	CSA16	Programming software
OPC-2401	OPC-2401	Headset adapter
OPC-515L	OPC-515L	DC power cable for BC-119N charger
OPC-656	OPC-656	DC power cable for BC-121N charger
PA-82/A16	PA-82/A16	Headset adapter

A25 SERIES VHF HANDHELD

ICOM AMERICA INC.

The A25 Series VHF Airband Handheld Transceiver features a powerful, six-watt transmitter and an IP57 waterproof rating, allowing operations in severe weather. A large, 2350 mAh Li-ion battery provides operation up to 10.5 hours. The easy-to-use interface combined with a large 2.3-inch display offers stress-free programming and in-flight operation. The A25 radios are offered in two versions: the A25C communications transceiver, providing communications only, and the A25N with built-in Bluetooth®, GPS, and VOR navigation.



IC-A25C IC-A25N

The A25N with simplified waypoint NAV feature guides pilots to their destination using the current position from GPS as well as from GLONASS and SBAS. The waypoint NAV feature has two functions: Direct-to NAV and Flight-Plan NAV. In Direct-to NAV mode, the A25N provides guidance to a specified waypoint; in Flight-Plan NAV mode, pilots are guided through a series of sequential waypoints. The A25N can store up to 10 flight plans and 300 way-points. Position information imported from an Android™ or iOS™ device* can be used as a waypoint. With built-in Bluetooth, third-party wireless headsets provide convenient, hands-free operation; optionally, with the use of the VS-3 Bluetooth headset, the side tone function can be used.

*The Flight Plans app for Android and iOS allows pilots to make flight plans and import them to the A25N via Bluetooth. With the Flight Plans application, pilots can create a flight plan, set Direct-to NAV, display flight plan information, and display waypoint information. Also, the following VOR navigation functions are available: CDI (course deviation indicator), OBS (omni bearing selector), TO-FROM indicator, and ABSS (automatic bearing set system).

- Built-in GPS with simplified waypoint NAV feature guides pilots to their destination using the current GPS position with the Direct-to NAV or Flight-Plan NAV function†
- Built-in Bluetooth® allows for convenient, hands-free operation; also, the side tone function can be used if the optional VS-3 Bluetooth headset is used†
- Class-leading 6-watt, high-power RF output expands communication coverage for enhanced safety while operating the aircraft
- Frequently used functions are directly assigned to the 10-keypad, allowing quick access to common functions, while the enlarged, flat sheet keypad offers smooth and swift operation
- "Flip-Flop" channel recall stores the last 10 channels used, providing quick recall simply by using the directional keys or the channel knob
- Intelligent battery pack allows users to check the battery's condition using the battery status screen and provides 10.5 hours of operating time with its 2350 mAh capacity
- Operates with 6xAA alkaline batteries with the BP289 battery case and BNC antenna
- 121.5 MHz emergency key
- Priority watch, VFO scan, memory-channel scan, and priority scan
- Side tone function, internal VOX capability

†A25N navigation version only

Weight:	12 oz (with BP-288 battery pack)
Dimensions:	2.3 x 5.8 x 1.3 in (58.9 x 148.4 x 31.8 mm)
Frequency Coverage:	A25N (NAV and COM) Tx: 118.000–136.992 MHz Rx: 108.000–136.992 MHz Rx (weather): 161.650–163.275 MHz A25C (COM) Tx: 118.000–136.975 MHz Rx: 118.000–136.975 MHz Rx (Weather): 161.650–163.275 MHz
Transmit Output Power:	6.0 (PEP) / 1.8 W (carrier) typical (at 7.2 VDC)
Channel Spacing:	25 / 8.33 kHz
Number of Channels:	300 channels / 15 groups
Power Supply Requirements:	7.2 VDC (BP-288) / 11.0 VDC (external DC jack)
Current Drain:	Tx: <1.8A (high) Rx: <500mA (max audio) / 90mA (typical)
Type of Emission:	6K00A3E, 5K60A3E, 16K0G3E (Weather)
Antenna Impedance:	50Ω
Operating Temperature:	-10°C to 60°C (14°F to 140°F)

EDMO#	MFR#	DESCRIPTION
A25N COMMUNICATION PLUS NAVIGATION TRANSCEIVER		
IC-A25N	A25N	Includes: Antenna (FAB02AR), Battery pack (BP288), Belt clip (MB133), Headset adapter (OPC2379), BC224 and BC123SA Rapid charger, & Hand strap
IC-A25N220	IC-A25N220	Includes: Battery pack (BP288), Headset adapter (OPC-2379), Antenna (FA-B02AR), Belt clip (MB-133), BC-224 and BC-123SA Rapid charger, & Hand strap
A25C COMMUNICATIONS ONLY TRANSCEIVER		
IC-A25C	A25C	Includes: Battery pack (BP288), Headset adapter (OPC2379), Antenna (FAB02AR), Belt clip (MB133), BC224 and BC123SA Rapid charger, & Hand strap
IC-A25C-S	A25C SPORT	Includes: AA Battery case (BP289), Headset adapter (OPC2379), Antenna (FAB02AR), Belt clip (MB133), & Hand strap
ACCESSORIES		
OPC-2379	OPC2379	Headset adapter cable
HM-231	HM231	Hand microphone, waterproof
FA-B02AR	FAB02AR	8-inch antenna, 118–136 MHz
8610016330	8610016330	Frequency knob
8610016340	861	Volume knob

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- **Base: IC-A120B**
  Perfect base station for home or airport communications. Mobile version available. The **IC-A120** is **Bluetooth® upgradeable**.
- **Panel Mount: IC-A220**
  Easy to install even in tight configurations.

Contact Edmo today



IC-A25N/IC-A25C



IC-A16/IC-A16B



IC-A120B



IC-A220

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ICOM®

R6SPORT HANDHELD RECEIVER



ICOM AMERICA INC.
EDMO#: IC-R6SPORT
MFR#: IC-R6 SPORT

The IC-R6SPORT handheld receiver is a wideband receiver with an ultra wide frequency range that covers frequencies from 100 kHz–1309.995 MHz, while the radio provides superior sensitivity and receiver characteristics that are not susceptible to interference. The IC-R6 can pick up amateur stations, AM, FM, shortwave broadcasts, TV audio, and a variety of utility communications. This radio is also capable of high-speed scanning at speeds of 100 channels per second.

- 15 hours of continuous use with the supplied rechargeable Ni-MH cells
- With 1,300 alphanumeric memory channels, 50 scan edges, and 200 auto-write memories, the IC-R6 allows for flexible scanning, and the bank link feature allows any of the 22 banks to connect with each other
- The Voice Squelch Control (VSC) opens the squelch only when a modulated signal is detected and ignores unmodulated beat noise; ideal for users scanning for talk, news, and music but not data bursts or beacons
- Can be powered using rechargeable Ni-MH cells, alkaline batteries, the AC adapter (BC-196S), or the cigarette lighter cable (CP-18); the optional drop-in charger (BC-194) eliminates the need to connect to the DC power jack
- Frequency range depends on version; analog TV audio only cannot decode digital TV audio
- Built-in audio low-pass filter
- 1.0 ppm high frequency stability
- Earphone cord antenna for AM broadcast
- Ferrite bar antenna for AM broadcast
- 150mW loud audio with internal speaker
- DTCS and CTCSS tone squelch and reverse tone squelch
- Priority watch function with priority beep function
- Optional CT-17, CI-V level converter for remote control
- PC programmable with optional CS-R6
- Receiver-to-receiver cloning (optional OPC-474 required)
- Auto power off (0.5–2 hours and end of busy signal)
- Compact, dip-resistant construction
- Automatic LCD backlight
- Dial speed acceleration
- Built-in RF attenuator
- Auto-memory write scan stores the detected frequency, mode, and tone into a specified memory
- Reversible up/down buttons and dial knob for volume, frequency, memory channel, scan direction, and set mode settings
- Optional new tube earphone, SP-27
- Weather channel receive with weather alert (USA version only)

Weight:	7.1 oz
Dimensions:	2.3 x 3.4 x 1.2 in
Frequency Coverage:	0.100 - 1309.995 MHz
Tuning Steps:	5, 6.25, 8.33, 9, 10, 12.5, 15, 20, 25, 30, 50, 100, 125, 200 kHz
Number of Channels:	1550
Power Supply Requirements:	4.5 VDC
Battery Requirements:	2xR6 (AA) size Ni-MH or alkaline cells
Antenna Impedance:	50Ω
Mode	AM, FM, WFM
Operating Temperature:	-10°C to 60°C (14°F to 140°F)

ICOM ACCESSORIES

MICROPHONES



HM-148G



HM-152



HM-176

EDMO#	MFR#	DESCRIPTION	COMPATIBLE TRANSCEIVERS
HAND MICROPHONES			
HM-128	HM128	Earphone microphone	-
HM-148G	HM148G	Self-grounding microphone	F9511T 15
HM-152	HM152	Hand microphone	F-series radios & A110
HM-158LA	HM158LA	Compact speaker microphone	-
HM-161	HM161	Standard hand microphone	A110
HM-167	HM167	Hand microphone / waterproof	M72
HM-176	HM176	Hand microphone	A220
HM-184H	HM184H	Hand microphone	F3261D, F4261D, F3360D, F4360D, F9011 & F9021
HM-217	HM217	Hand microphone with two programmable buttons	A120
HM-231	HM231	Hand microphone / waterproof	A25N/A25C
HM-234	HM234	Hand microphone	A24, A6
HM-240	HM-240	Hand microphone	A16
REPLACEMENT CORDS AND HANGER KITS			
6910004210	6910004210	Microhphone hanger kit	-
6910020440	6910020440	Replacement microphone cord	HM173
PUSH-TO-TALK SWITCHES			
PTT-SW	PTT-SW	Push to talk switch	-
PA-50	PA-50PTT	Push to talk switch	-
PA-50ICPTT	PA-50IC/PTT	Push to talk switch	-

BATTERIES



BP-210N



BP-208N

EDMO#	MFR#	DESCRIPTION	COMPATIBLE TRANSCEIVERS
BATTERY PACKS			
BP-210N	BP210N	1650 mAh / 7.4V / NiMH	A24 & A6
BP-232H	BP-232H	2300 mAh/ 7.2V / Li-ion	A14 & A14S
BP-252	BP-252	980 mAh / 7.4V / Li-ion	M34 & M36
BP-279	BP279	1485 mAh / 7.2V / Li-ion	F1000/F2000
BP-280	BP-280	2,400 mAh / 7.2V / Li-ion	A16
BP-288	BP288	2200 mAh / 7.2V / Li-ion	A25N/A25NE & A25C/A26CE
BP-290	bp290	2010 mAh / 7.2V / Li-ion	F52D & F62D
BP-300	BP300	2350 mAh/ 7.2V / Li-ion	SAT100

EDMO#	MFR#	DESCRIPTION	COMPATIBLE TRANSCEIVERS
BATTERY CASES			
BP-208N	BP208N	6xAAA batteries	A24 & A6
BP-263	BP-263	6xAA batteries	F3001, F4001, F3210D, F4210D
BP-289	BP289	6xAAA batteries	A25N/A25NE & A25C/A26CE

CHARGERS



BC-193



BC-224

EDMO#	MFR#	DESCRIPTION	COMPATIBLE TRANSCEIVERS
BC-160	BC-160 (vs 31)	Rapid desktop charger (US plug)	A14 and A14S radios with the BP-232 battery pack
BC-160E	BC-160E	Rapid desktop charger (Euro plug)	BP-230, BP-231, and BP-232 battery packs
BC-193	BC193	Rapid charger	F3001/4001 and F3210D/4210D radios with battery pack BP265
BC-197 22	BC197 22	Six-unit battery charger, 110V	BP-230N, BP-232N, BP-232H, and BP-232FM battery packs
BC-213	BC-213	Rapid desktop charger (US plug), includes BC-123SA	A16, A16B, and F1000 radios with BP-279 and BP-280 battery packs
BC-213NAC	BC213NAC	Rapid battery charger	A16 radios with BP-278, BP-279, and BP-280 battery packs
BC-214	BC214	Six-unit battery charger	BP-279 and BP-280 battery packs
BC-224	BC224	Rapid charger w/BC123SA (US plug)	A25N/A25C
BC-224E	BC224E	Rapid charger w/BC123SE (Euro plug)	A25N/A25C
BC-247	BC247	Charger cradle	SAT100

ADAPTERS



AD-101



BC-167SA



CP-12L

EDMO#	MFR#	DESCRIPTION	COMPATIBLE TRANSCEIVERS
ADAPTER CUP FOR CHARGERS			
AD-94 11	AD94 11	Adapter cup for BC121N & BC119N	BP-209 & BP-210 battery packs with A24 & A6
AD-101	AD101	Adapter cup for BC119N	A24 & A6
AD-106	AD106 F43TR	Adapter cup for BC121N & BC119N	F3261/4261, F3230/4230, F3360/4360
AD122	AD122	Adapter cup for BC197	F3001/4001, F3261/4261, F3230/4230,
AD-130	AD130	Adapter cup for BC214	F1000 series
AC ADAPTERS			
BC-123SA	BC123SA	12V/ 1 A, AC adapter for BC-224 rapid charger (US plug)	A25N/A25C
BC-123SE	BC123SE	12V/ 1 A, AC adapter for BC224 (Euro plug)	A25N/A25C
BC-157S	BC157S 12	12V / 7.5 A, AC adapter for BC121N & BC197	A24, A6, & A14/A14S
BC-167SA	BC167SA	12V / 500 mA AC adapter (US plug)	A24 & A6
BC-167SD	BC167SD	12V / 500 mA AC adapter (Euro plug)	A24 & A6
BC-167NA	BC-167NA	12V / 500 mA AC adapter (US plug)	A24, A6, A23, A5, A4
CIGARETTE LIGHTER ADAPTERS			
CP-12L	CP12L	Cigarette lighter adaptor w/ noise filter	A4, A5, A23
CP-20	CP20	12V/24V cigarette adapter	A24, A6, & A25
CP-22	IC-CP-22	12V/24V cigarette lighter cable	A14/A14S
CP-23L	CP23L	12V cigarette lighter cable	A14
MIC/HEADSET ADAPTERS			
OPC-2144	OPC-2144	Right angle adapter	Use with OPC478UC
OPC-2379	OPC-2379	Headset adapter cable	A25
OPC-2401	OPC-2401	Headset adapter	A16
OPC-440	OPC440	8-pin RJ-45 extension cable	C-2720H/2820H/ V8000/280H/5100
OPC-499	PA OPC499	Headset adapter	A24 & A6
OPC-647	OPC647	A120 Extension cable	A120 hand mic

BELT CLIPS



MB-96N



MB-133

EDMO#	MFR#	DESCRIPTION	COMPATIBLE TRANSCEIVERS
MB-94	MB94	Alligator type belt clip	IC-A14, F3011/4011, F3261/4261, F3161/4161, F70D/F80D, F3360D/F4360D
MB-96N	MB96N	Swivel belt hanger	A24, A25, M73
MB-133	MB-133	Belt clip	A25N, A25C
MBB-3	MBB-3	Belt clip	M85, M85UL, IC-F52D & IC-F62D
8810003701	8810003701	MB-103 belt clip	M73

ANTENNAS



FA-B02AR

EDMO#	MFR#	DESCRIPTION	COMPATIBLE TRANSCEIVERS
FA-B02AR	FAB02AR	8-inch, 118–136 MHz	A25N/A25C, A24, A6
FA-S102U	FAS102U	5-inch, 1616.0–1626.5 MHz	SAT100

EDMO#	MFR#	DESCRIPTION	COMPATIBLE TRANSCEIVERS
FA-SC55V	FASC55V	6-inch, 150–174 MHz	F3011/4011, F3261D/F4261D, F3101D/F4101D, F1000/F2000, F11SDTC
FA-SC56VS	FASC56VS	3-inch, 150–162 MHz	F3011/4011, F3001/4001, F3261, F3101/4101, F1000/2000, F3161/F4161, F70D/80D,
FA-SC57U	FASC57U	6-inch, 430–470 MHz	F3011/4011, F3261/4261, F3101D/4101D, F1000/2000, F3001/4001
FAS82VS	FAS82VS	2.5-inch, 148–162 MHz	F3400D series
ACCESSORIES			
IC-ANT-SB	ANT SB	Antenna switch box for connection to external antennas	

CLONING CABLES & SOFTWARE

EDMO#	MFR#	DESCRIPTION
CLONING CABLES		
OPC-1529R	OPC-1529R	Cloning cable
OPC-1862	OPC1862	USB cloning cable
OPC-2344	OPC-2344	USB cloning cable
OPC-478U	OPC478UC	Cloning cable with USB plug & driver software
PROGRAMMING SOFTWARE		
CS-A25	CSA25	A25
CS-F100S	CSF100S	F121S, F221S
CS-F2000	CSF2000	F1000, F2000
CS-F3021	CSF3021	F3021, F5011, F5021
CS-F3161	CS-F3161	F3162, F5061
CSF3400D	CSF3400D	F3400D, F5400D
CS-A120	CSA120	A120

FTA-450L COMMUNICATION AIRBAND TRANSCEIVER

YAESU



The FTA-450L is an affordable, compact communication airband transceiver. It features an advanced user interface made up of an oversized 1.7 x 1.7 inch full dot-matrix display, aiding users with intuitive operation. The loud 800 mW speaker output provides ample volume so that the radio is heard—even in noisy environments. This aviation radio stores 200 memory channels that can be recalled in just a few button presses. The FTA-450L comes with a high-capacity Li-ion battery pack, 110VAC and 12VDC chargers, headset adapters, an alkaline battery tray, a belt clip, and a USB programming cable.

- 5 Watts transmit power
- Large 1.7 x 1.7 inch backlit, full dot-matrix display, and keypad
- Loud 0.8-watt speaker
- 8.33 kHz narrow band compatible
- 200 memory channels with 15 character alphanumeric tags
- IPX5 water protection rating
- MIL-STD-810F rugged construction
- NOAA weather channel receive & weather alert
- Complies with MIL-STD-810F military standards
- Compact airband transceiver—designed to fit in small places
- High-capacity Li-ion battery
- External DC input for operation and charging
- PC Programmable (requires an optional USB cable)

Weight:	14.5 oz (410 g)
Dimensions:	2.4 x 5.2 x 1.3 in (62 x 133 x 34 mm)
Frequency Range:	Tx: 118.000 MHz — 136.9916 MHz Rx: 118.000 MHz — 136.9916 MHz Weather: 161.650 MHz — 163.275 MHz
Channel Spacing:	25 kHz / 8.33 kHz
Emission Type:	Tx: AM Rx: AM & FM (for receive & weather)
Supply Voltage:	6.0–9.5 VDC
Power Consumption:	300 µA (power off) 60 µA (battery saver on, saver ratio 50%) 80 mA (squelch on) 300 mA (receiver) 0.9 A (transmit 1.5W carrier)
Antenna Connector:	BNC
Operating Temperature:	14°F to 140°F (-10°C to 60°C)

EDMO#	MFR#	DESCRIPTION
FTA-450L	FTA-450L	FTA-450L communication airband transceiver
ACCESSORIES		
SCH-11	SCH-11	Handheld VHF hanger bracket
SRA-20A	SRA-20A	Helical antenna with a BNC connector

FTA-550L NAV/COMM AIRBAND TRANSCEIVER

YAESU



The FTA-550L is an advanced VHF airband navigation and communication transceiver. It features an advanced user interface made up of an oversized 1.7 x 1.7 inch full dot-matrix display for providing communication functions as well as VOR and ILS navigation features. This NAV/COMM aviation radio provides NOAA weather band monitoring and is able to store 200 memory channels with a quick and easy channel recall feature. An icon-driven menu system makes this radio easier to operate and navigate through its power features. Additionally, the FTA-550L is programmable via PC software using the supplied USB programming cable.

- 5 Watts transmit power
- Large 1.7 x 1.7 inch backlit, full dot-matrix display, and keypad
- ILS (localizer) and VOR navigation displays
- Loud 0.8-watt speaker
- 8.33 kHz narrow band compatible
- 200 memory channels with 15 character alphanumeric tags
- IPX5 water protection rating
- MIL-STD-810F rugged construction
- NOAA weather channel receive & weather alert
- Complies with MIL-STD-810F military standards
- High-capacity Li-ion battery
- External DC input for operation and charging
- PC Programmable (requires an optional USB cable)

Weight:	14.5 oz (410 g)
Dimensions:	2.4 x 5.2 x 1.3 in (62 x 133 x 34 mm)
Frequency Range:	Tx: 118.000 MHz — 136.9916 MHz Rx: 118.000 MHz — 136.9916 MHz Weather: 161.650 MHz — 163.275 MHz

Channel Spacing:	25 kHz / 8.33 kHz
Emission Type:	Tx: AM Rx: AM & FM (for receive & weather)
Supply Voltage:	6.0–9.5 VDC
Power Consumption:	300 µA (power off) 60 µA (battery saver on, saver ratio 50%) 80 mA (squelch on) 300 mA (receiver) 0.9 A (transmit 1.5W carrier)
Antenna Connector:	BNC
Operating Temperature:	14°F to 140°F (-10°C to 60°C)

EDMO#	MFR#	DESCRIPTION
FTA-550L	FTA-550L	FTA-550L NAV/COMM airband transceiver
ACCESSORIES		
SCH-11	SCH-11	Handheld VHF hanger bracket
SRA-20A	SRA-20A	Helical antenna with a BNC connector

FTA-850L NAV/COMM/GS AIRBAND TRANSCEIVER

YAESU



The FTA-850L is 6-watt, advanced portable airband transceiver that combines communication and navigation with glide slope features. Wireless bluetooth technology allows operation with a bluetooth enabled headset, or using the optional SSM-BT10 headset from Yaesu. The 2.4-inch, full color TFT display provides enhanced navigation system, including ILS, VOR, and GPS. The tough polycarbonate housing meets the IPX5 water-proof rating while a high capacity 2,200 mAh lithium-ion battery keeps this advanced NAV/COMM radio going strong all day. This unit stores up to 400 memory channels, a sixty-six channel integrated WAAS GPS receiver, as well as NOAA weather receiver and alert channels.

- 6 watt transmitter power
- Large 2.4 inch TFT color display
- Displays dual frequencies
- Wireless Bluetooth operation
- ILS navigation display for localizer and glide slope
- VOR navigation display
- Integrated 66 channel WAAS GPS reciever
- Waypoint navigation
- 8.33 kHz narrowband compatible
- NOAA Weather channel receive & weather alert
- 400 memory channels with 14 character alphanumeric tags
- IPX5 water protection rating
- MIL-STD-810F rugged construction
- Loud 0.9 audio output
- PC programmable with included USB cable

Weight:	13.9 oz (410 g) with SBR-25LI (antenna and belt clip)
Dimensions:	2.4 x 5.2 x 1.3 in (62 x 133 x 34 mm)
Frequency Range:	TX: 118.000 MHz — 136.9916 MHz RX: 118.000 MHz — 136.9916 MHz Weather: 161.650 MHz — 163.275 MHz 329.150 MHz — 335.000 MHz (glide slope)
Channel Spacing:	25 kHz / 8.33 kHz

Emission Type:	TX: AM RX: AM & FM (for receive & weather)
Supply Voltage:	6.0–9.5 VDC
Power Consumption:	300 µA (power off) 125 µA (battery saver on, saver ratio 50%) 160 mA (squelch on, GPS on) 300 mA (receiver) 0.9 A (transmit 1.5W carrier)
Antenna Connector:	BNC
Operating Temperature:	14°F to 140°F (-10°C to 60°C)

EDMO#	MFR#	DESCRIPTION
FTA-850L	FTA-850L	FTA-850L NAV/COMM/GS airband transceiver
ACCESSORIES		
SCH-11	SCH-11	Handheld VHF hanger bracket
SRA-20A	SRA-20A	Helical antenna with a BNC connector

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ADS-B SOLUTIONS

SKYBEACON

UAVIONIX



Upgrade to ADS-B Out compliance in minutes with skyBeacon—the industry's simplest, most cost-effective solution. Designed as a direct replacement for your existing wingtip position light, skyBeacon integrates an ADS-B UAT transmitter, WAAS GPS, and LED lighting into a single unit. No airframe modifications, additional antennas, or complex wiring—just remove your old light and install skyBeacon using three screws and three wires.

With built-in power transcoder technology, skyBeacon seamlessly works with your existing Mode C or Mode S transponder, eliminating the need for a costly upgrade. Its continuous calibration™ technology ensures precise altitude reporting without requiring connection to the aircraft's static system. Certified, compact, and efficient, skyBeacon is the ultimate plug-and-play ADS-B solution.

- Easiest path to ADS-B Out compliance—installs in minutes
- Integrated ADS-B (978 MHz), WAAS GPS, and LED position lighting
- No additional antennas, wiring, or transponder upgrade required
- Automatic altitude encoder calibration with Continuous Calibration™
- STC-approved for hundreds of aircraft models

Weight:	90 grams
Dimensions:	124 x 116 x 48 mm
Input Voltage:	11–31 VDC
Operating Power:	3 W
Power Transcoder:	Decodes Mode A,C and S via DC input
Power Classification:	978MHz UAT Transmitter: DO-282B Medium Power
LED Position Light:	Color: Aviation Red Intensity: 40 Candelas
WAAS GPS:	Tracking: -166 dBm Reacquisition: -160dBm Cold Start: -148dBm
Certification:	ADS-B (TSO-C154c, Class B1S) GPS (TSO-C145d, Class Beta 1) Barometric altitude sensor (TSO-C88b) Position Light (TSO-C30c, Type I) Anti-collision light (TSO-C96a, Class II)

EDMO#	MFR#	DESCRIPTION
UAX9003201	UAX-90032-01	skyBeacon Transmitter
ACCESSORIES		
1002301001	UAV-1002301-001	skyBeacon Wingtip Adapter Fairing | Left Hand
1002302001	UAV-1002302-001	skyBeacon Wingtip Adapter Fairing | Right Hand
1002302002	UAV-1002302-002	skyBeacon Wingtip Adapter Fairing | Right Hand, for Cessna Aircraft

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SKYSENSOR

UAVIONIX

EDMO# UAX9009801
MFR# UAX-90098-01



Complete your ADS-B setup with skySensor, a dual-band ADS-B In receiver built directly into a wingtip position and anti-collision light. Designed as the perfect companion to skyBeacon, skySensor provides real-time weather and traffic data on both 978 MHz and 1090 MHz frequencies, ensuring pilots have the most complete situational awareness in the cockpit.

With Wi-Fi streaming compatibility, skySensor integrates seamlessly with leading electronic flight bag (EFB) applications, including ForeFlight, FlyQ, and WingX, delivering weather overlays, traffic, and NOTAMs directly to your device. Its high-performance static pressure sensor ensures accurate altitude reporting up to 80,000 feet, making it an essential safety enhancement for any aircraft.

- Dual-band ADS-B In receiver for real-time traffic and weather
- Streams data to EFBs via Wi-Fi using the GDL90 protocol
- Integrated aviation-grade LED position light (green)
- Static pressure sensor for altitude accuracy up to 80,000 ft
- Perfect match for skyBeacon for a complete ADS-B solution

Weight:	90 g
Dimensions:	124 x 116 x 48 mm
Input voltage:	11–31 VDC
SIL/SDA	2/3
Operating Temperature:	-45°C to 80°C
Sensitivity:	1090 MHz: -93dBm 978 MHz: -104 dBm
LED position light:	Color: Aviation Green Intensity: 40 Candelas
WAAS GPS:	Tracking: -166dBm Reacquisition: -160dBm Cold Start: -148dBm
Wi-Fi Physical:	802.11b/g/n
App Compatibility:	iOS, Android

TAILBEACONX

UAVIONIX



Welcome to the next generation of global ADS-B compliance. tailBeaconX is a Mode S Extended Squitter ADS-B transponder and WAAS GPS built directly into an LED rear position light. Unlike traditional solutions, tailBeaconX is designed for both space-based and ground-based ADS-B surveillance, making it fully compatible with Aireon satellite ADS-B tracking—a must for global operations.

Ideal for GA, experimental, and light sport aircraft, tailBeaconX eliminates the need for belly-mount transponder antennas, offering superior performance and minimal installation complexity. Its integrated WAAS GPS and Mode S transponder ensure seamless compliance with worldwide ADS-B mandates, future-proofing your aircraft for next-generation airspace requirements

- Fully integrated Mode S ADS-B Out transponder (1090 MHz)
- Global compliance—supports Aireon space-based ADS-B tracking
- Replaces existing rear position light with LED upgrade
- Eliminates the need for a belly-mounted transponder antenna
- Minimal installation—power and control through existing wiring

Weight:	140 g
Dimensions:	113 x 10 5x 48 mm
Input Voltage:	11–31 VDC
Operating Power:	3 W
1090ES ADS-B Transmitter:	Power Classification 250 Watts Nominal
LED Position Light:	Color: Aviation White Intensity: 20 Candelas
WAAS GPS:	Tracking: -166dBm Reacquisition: -160dBm Cold Start: -148dBm
Control Head:	Physical: RS232 or Power Line Modem Protocol: UCP
Certification:	FCC ID: 2AFFTP200S

EDMO#	MFR#	DESCRIPTION
UAX9005903	UAX-90059-03	tailBeaconX (TSO)
UAX9005905	UAX-90059-05	tailBeaconX TSO & AV-30C Bundle
UAX9005906	UAX-90059-06	tailBeaconX Experimental, AV-30E, & AV-Link Bundle
UAX9010801	UAX-90108-01	tailBeaconX Experimental & AV-30E Bundle
ACCESSORIES		
TBX-BOOT	TBX-BOOT	tailBeaconX Protective Boot | HI-VIZ Orange

TAILBEACON

UAVIONIX



Say goodbye to complex installations—tailBeacon is the easiest, most cost-effective way to achieve ADS-B Out compliance. Replacing your existing rear position light, tailBeacon integrates an ADS-B UAT transmitter, WAAS GPS, and LED navigation light into a single, compact unit. The power and ground wires from your original light are all you need, making installation as simple as tightening two screws.

With power transcoder technology, tailBeacon seamlessly works with any Mode C or Mode S transponder, ensuring compliance with FAA ADS-B requirements. Using the tailBeacon mobile app, pilots can configure their system in minutes, entering key parameters such as aircraft ICAO address and emitter type with ease. Certified, efficient, and installation-friendly, tailBeacon is the ultimate plug-and-play ADS-B Out solution.

- Direct replacement for your existing aft position light
- Integrated ADS-B (978 MHz), WAAS GPS, and LED navigation light
- Works with any Mode C or Mode S transponder—no new wiring required
- Simple mobile app setup for configuration and compliance
- FAA-certified solution with the lowest total cost of ownership

Weight:	70 g
Dimensions:	92 x 43 x 73 mm
Input Voltage:	11–31 VDC
Operating Power:	3 W
Power Transcoder:	Decodes Mode A, C, and S via DC input
Power Classification:	978MHz UAT Transmitter: DO-282B Medium Power
LED Position Light:	Color: Aviation White Intensity: 40 Candelas
WAAS GPS:	Tracking- 166dBm Reacquisition- 160dBm Cold Start- 148dBm
WiFi Configuration:	802.11 b/g/n
App Compatibility:	iOS & Android
Certification:	UAT Transmitter: TSO-154c (RTCA/DO-282B) Class B1S Position Lighting: TSO-C30c Type III & SAE/AS8037 WAAS GPS: TSO-C145e (RTCA/DO-229E) Class Beta 1 FCC ID 2AFFTUAT016R ADS-B Out: §91.225, §91.227, AC 20-165B GNSS Position: AC 20-165B

EDMO#	MFR#	DESCRIPTION
UAX9003601	UAV-1002183-001	tailBeacon
ACCESSORIES		
1003202002	UAV-1003202-002	TSO installation kit
1003202001	UAV-1003202-001	Installation kit

PINGSTATION 3

UAVIONIX

EDMO# PNGSTN3
MFR# UAX-90083-01



pingStation 3 is a dual-band (978 MHz & 1090 MHz) ADS-B receiver designed for continuous, real-time aircraft tracking in any environment. Housed in a rugged, weatherproof IP67-rated enclosure, pingStation 3 is built for permanent outdoor installation while remaining compact and lightweight for mobile operations. It delivers precise aircraft surveillance for airports, ANSPs, drone operations, and security applications.

With Power-over-Ethernet (PoE) connectivity, pingStation 3 simplifies deployment, requiring just a single cable for power and data transmission. Integrated WAAS GPS ensures precise time-stamping, supporting MLAT (Multilateration) capabilities for enhanced airspace monitoring. Whether mounted on a tower, vehicle, or rooftop, pingStation 3 delivers high-performance ADS-B tracking in the harshest conditions.

- Dual-band ADS-B receiver (978 MHz & 1090 MHz) for real-time aircraft tracking
- IP67-rated enclosure for all-weather, permanent outdoor deployment
- Power-over-Ethernet (PoE) for simple installation with a single cable
- WAAS GPS for accurate timestamping and MLAT support
- Ideal for airports, drone operations, security, and airspace monitoring

Weight:	545 g
Dimensions:	673.70 x 178.45 x 36 mm
Input Voltage:	44-57V / 350mA PoE
Dynamic Range:	MTL 1090MHz: -88dBm / -79 to 0dBm MTL 978MHz: -93dBm / -90 to -3dBm
Interface:	Asterix CAT021, Ethernet (JSON UDP), Compressed VRS (Virtual Radar Server)

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ILEVIL 3 AW

LEVIL



The iLevil 3 AW is a fully independent, all-in-one avionics device. Capabilities include WAAS GPS, ADSB-in, air data (altitude, airspeed), AHRS (attitude, directional gyro, turn coordination, rate of turn, VSI), and the ability to connect to other external hardware such as EIS systems. Once installed, the ILEVIL 3 AW connects via Wi-Fi to a tablet inside the cockpit, and data can be displayed on multiple apps thanks to its open protocol.

- Includes: Wireless iLevil 3 AW device, USB to Mini USB cable, GPS antenna, ADS-B antenna, DB15 male connector, user manual, SD card
- Dynamic and static ports for indicated airspeed and altitude
- High-performance AHRS and solid-state technology
- ADS-B receiver for weather and traffic
- Small and lightweight
- Records flight data with SD card
- Portable or permanently mounted instrument

Weight:	11 oz
Dimensions:	3.2 x 5 x 1.1 in
Input Voltage:	12 to 28 VDC
Backup Battery Life:	Lasts 5.5 hours

EDMO#	MFR#	DESCRIPTION
100030201	100-03-02-01	WIAM Wireless Integrated Avionics Module
100030202	100-03-02-02	WIAM Wireless Integrated Avionics Module | Approved GPS

ILEVIL AP AUTOPILOT MODULE

LEVIL



The iLevil AP Autopilot is an all-in-one avionics solution, integrating several sensor modules to provide ADS-B weather and traffic information, WAAS GPS navigation, AHRS, and Data Recording. The Autopilot feature uses the AHRS data to determine aircraft attitude and controls small trim tabs to maintain wings level or maneuver the aircraft smoothly to desired heading and altitude. The iLevil AP can be used as a portable or permanent-mount instrument. It integrates static and dynamic pressure transducers, which make available accurate indicated airspeed and pressure altitude obtained from the pitot-static system, ultimately offering a "six-pack" solution displayed on a tablet.

- Dynamic and static port for indicated airspeed and altitude
- High-performance AHRS and solid-state technology
- ADS-B receiver for weather and traffic
- GRT EIS Engine Monitor Connectivity
- Records flight data with SD card
- 360-degree compass rose heading indicator that displays magnetic track or magnetic heading
- Heading Mode uses the internal compass and GPS to hold a heading
- Altitude Mode climbs to, descends to, or holds an altitude
- Vertical speed indicator, turn and slip indicator
- Flight Plan Steering follows a flight plan by using an external navigation app
- Hold function will automatically keep the airplane flying at the current heading and altitude
- Auto Envelope Protection, when the autopilot is off, trim tabs are still active. The system will correct for excessive or unwanted pilot inputs beyond a roll or pitch limit
- Auto Trim, since the system works with trim tabs, auto trim is built-in to the autopilot. No additional installation required. The airplane will always be in trim following autopilot disconnect

Weight:	11 oz
Dimensions:	3.2 x 5 x 1.1 in
Power Input:	8-32 VDC Main Bus, 5 VDC Internal Battery by USB or Serial Port
Backup Battery Life:	Lasts 5.5 hours

EDMO#	MFR#	DESCRIPTION
105-01-01	105-01-01	iLevil AP Autopilot Module
ACCESSORIES		
3900121C	3900121C	Trim Tab Kit | High Speed (90-150 kts)
3900122C	3900122c	Trim Tab Kit | Low Speed (50-100 kts)
3900151C	3900151C	Trim Tab Kit | High Speed (90-150 kts), Waterproof Servos

ASTRO+ PORTABLE DUAL-BAND ADS-B RECEIVER

LEVIL



The Astro+ combines a state-of-the-art aviation-grade AHRS technology, dual-band ADS-B Receiver, and an internal WAAS GPS for navigation inside one portable device. The Astro+ is capable of driving synthetic vision displays and provides the navigation information needed to turn a phone or tablet into a real glass panel.

- Easily mounts anywhere in the aircraft
- Transfers and receives data over RS232 AUX port
- Record your flight data and review it on CloudAhoy, Google Earth, Xplane, Flight Simulator, and Microsoft Excel
- Connect a GRT EIS 4000, 6000, or 9000 via the Astro+ AUX serial port and display engine data
- Displays EFIS with altitude, heading bug setting, and ground speed
- Transmit weather data wirelessly to your favorite navigation app
- Display the traffic around you and where they are heading without having a cluttered background
- Displays vertical speed indicator
- Check your instrument performance and connections, such as, battery levels, GPS reception, and ADS-B in receptions

AHRS:	360-degree Pitch and Bank Operations GPS Independent Attitude 500°/sec Max Turn Rates 8G's Max Rating Output: Roll, Pitch, Magnetic Heading, Slip Indicator, Rate of Turn, G Meter, Pressure Altitude.
Internal Battery Life:	4 hr
Charging Requirements:	1A @ 5V
Wi-Fi:	2.4 GHz Android and iOS compatible Support up to 6 Devices Connected Simultaneously Supports Multiple Protocols: GDL90, iLevil Proprietary, NMEA

GPS:	Supports WAAS Cold Start < 60 sec. Typ. (Open Sky) 1 Hz Output (5 Hz Optional)
ADS-B in (978/1090 MHz):	Receives Regional and Continental NEXRAD Reports Broadcasted by ADS-B Towers within Range Receives "GROUND TO AIR" Traffic Receives "AIR TO AIR" Traffic Reports from Other Aircraft

EDMO#	MFR#	DESCRIPTION
108-01-01	108-01-01	Astro+ Portable Dual-Band ADS-B Receiver
108-01-02	108-01-02	Astro+ Portable Dual-Band ADS-B Receiver | Includes Remote Antennas

BOM BROADCASTING OUTER MODULE

LEVIL



The BOM Broadcasting Outer Module is a wireless aerodynamic pod that mounts underneath the wing of an aircraft. The BOM measures angle of attack (AOA), indicated airspeed, WAAS GPS, AHRS, and data recording. It provides an affordable solution with the peace of mind to safely overcome any instrument malfunction or related emergency. It's also an affordable way to modernize a vintage aircraft without using a single wire. Compatible with iOS and Android platforms (iPad and strut mount not included).

- Includes: Wireless Broadcasting Outer Module unit, USB to mini USB cable, mounting bracket, bracket screws, protector case with magnetic switch, Remove Before Flight flag, NORSEE papers, and micro SD card
- Heated Pitot Static for indicated airspeed
- High-performance AHRS and solid-state technology
- Self-powered and self-charging system
- Automatically power on/off with the vibration of the engine
- Small and lightweight
- Records flight data with SD card

Weight:	0.8 lb
Dimensions:	10 x 3.7 x 1.8 in
Force Produced:	0.175 lb of force at 100 knots 0.7 lb of force at 200 knots
Material:	Delrin and anodized aluminum
Battery:	Internal Li-Ion
Minimum Speed:	32 knots
Maximum Speed:	210 knots
Charging:	100-210 knots
Wind Speed Requirements:	65–120 kt (low-speed version) 100–210 kt (standard version)

EDMO#	MFR#	DESCRIPTION
BOM-05-01	BOM-05-01	100–210 knots, With ADS-B
BOM-05-02	BOM-05-02	100–210 knots, Without ADS-B
BOM-05-11	BOM-05-11	65–120 knots, With ADS-B
BOM-05-12	BOM-05-12	65–120 knots, Without ADS-B
ACCESSORIES		
201-01-01	201-01-01	Universal Strut Mount
203-01-01	203-01-01	Inspection Panel Mount

TT31 MODE S TRANSPONDER

TRIG AVIONICS LIMITED



00225-00

The TT31 class-leading Mode S transponder is a popular retrofit transponder for legacy transponders. With plug-and-play compatibility, the TT31 significantly reduces installation time and cost—and provides pilots with 1090ES ADB-S capable Class 1, Mode S technology. The TT31 is TSO approved for fitting to European and FAA-registered aircraft. With a software upgrade and a connection to an appropriate GPS, this will make the TT31 compliant with the FAA final rule on ADS-B Out for 2020.

- Compatible with popular GPS position sources, including the Garmin GNS and GTN navigators
- Free FAA ADS-B STC for 650 aircraft types
- Certified for IFR/VFR flight
- TIS traffic capabilities for portable and panel-mount avionics

Weight:	2.9 lb
Dimensions:	1.57 x 6.30 x 9.4 in
Type:	Class 1 Mode S Level 2 els
Supply Voltage:	11–33 VDC
Current Consumption (Typical @ 14V):	Idle: 0.22 A Active: 0.45 A
Transmit Power:	240 watt @ connector, nominal
Operating Temperature:	-20°C to 70°C
Cooling Requirement:	No fan required
Compliance:	ED-73B, DO-160E, DO-178B Level B, DO181C, DO-260B Class B1S, DO-254 Level C
Certification:	ETSO C166A, 2C112B TSO-C112, TSO-C166

EDMO#	MFR#	DESCRIPTION
00220-00	00220-00-01	TT31 Transponder Only
00225-00	00225-00-01	TT31 Complete Kit | Includes: Mounting Tray and Install Kit
ACCESSORIES		
00223-00	00223-00	TT31 Installation Kit
00231-00	00231-00	Mounting Tray
02185-00	02185-00	Mounting Tray
1111148201	PA-111114-820-1	ADS-B System Airspeed Switch Kit
COMPATIBLE ANTENNAS		
01381-00	01381-00	TN70 WAAS GPS Receiver & WAAS Antenna
01685-00	01685-00-01	TN72 TABS GPS Antenna | Includes: Install Kit and Manual
01740-00	01740-00	TA70 GPS Antenna | Includes: Install Kit and Manual
02171-00	02171-00	TA50 Compact GPS Antenna | 3 in Cable
02172-00	02172-00	TA50 Compact GPS Antenna | 118 in Cable

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TT22 REMOTE UNIT TRANSPONDER

TRIG AVIONICS LIMITED



00772-00

The TT22 is a compact, two-part Mode S transponder that meets the FAA's requirement for an ADS-B Out compliant solution when paired with a certified WAAS GPS. Fitting in the tightest panel space, they can be installed anywhere in the airframe. With a 250-watt power output, the TT22 is classified as a Class 1 transponder that can be used in any light sport and GA aircraft operating above 15,000 feet and speeds greater than 175 knots.

- Certified class 2 transponder with 130 watts nominal output
- Integrated altitude encoder
- FAA TSO C166b Class 1 device—2020 mandate ready—Free FAA ADS-B STC covers 576 aircraft types
- Compatible GPS units: Garmin GTN/GNS WAAS navigators, Trig TN70 kit, FreeFlight 1201, and NexNav Mini

Weight:	0.8 lb
Dimensions:	Controller: 1.8 x 2.4 x 2.1 in Transponder: 1.8 x 2.6 x 6.2 in, in tray
Type:	Class 1 Mode S transponder level 2els ADS-B Class B1S
Supply Voltage:	9–33 VDC
Current Consumption:	0.15 A (Idle), 0.34 A (Active)
Transmit Power:	250 watt @ connector, nominal
Operating Temperature:	Transponder: -40°C to 70°C Controller: -25°C to 70°C
Compliance:	ED-73C, DO-160F, DO-178B Level B, DO-254 Level C, DO-260B, DO-181D
Certification:	ETSO C88A, C112C, C166A TSO-C88b, TSO-C112c, TSO-C166b

TC20 CONTROLLER FOR TT22/TT21



The TC20 control head is a panel-mounted unit to control a remotely mounted TT21 or TT22 Mode S transponder. It mounts into the panel using a 57 mm round hole or smaller compact mount. The unit displays the operation mode of the transponder, reported pressure altitude, current squawk code, and flight ID.

EDMO#	MFR#	DESCRIPTION
00746-00	00746-00-01	TT22 Remote Unit Only
00772-00	00772-00	TT22 Complete Kit | Includes: TC20 Control Head, Transponder Unit, Mounting Tray and Install Kit
ACCESSORIES		
01318-00	00649-00-01	TC20 Control Head
00667-00	00667-00	Mounting Bracket
00668-00	00668-00	Install Kit w/ Manuals
02185-00	02185-00	Mounting Tray



EDMO#	MFR#	DESCRIPTION
01989-00	01989-00	Short Harness
01990-00	01990-00	Long Harness
01991-00	01991-00	Short Harness plus TN72
01992-00	01992-00	Long Harness plus TN72
02399-00	02399-00	Mounting Blanks Set
COMPATIBLE ANTENNAS		
01381-00	01381-00	TN70 WAAS GPS Receiver & WAAS Antenna
01685-00	01685-00-01	TN72 TABS GPS Antenna | Includes: Install Kit and Manual
01740-00	01740-00	TA70 GPS Antenna | Includes: Install Kit and Manual
02171-00	02171-00	TA50 Compact GPS Antenna | 3 in Cable
02172-00	02172-00	TA50 Compact GPS Antenna | 118 in Cable
02466-00	02466-00	TN70 WAAS GPS Receiver & WAAS Antenna | for TT22 Only

TN70 WAAS GPS KIT

TRIG AVIONICS LIMITED



The TN70 WAAS GPS Receiver and Antenna kit is a lightweight solution for adding ADS-B Out and compliant WAAS GPS capability to an existing ADS-B installation. The included WAAS GPS-certified antenna (TA70) is designed to deliver excellent ADS-B Out performance. Because installation does not require space on the panel, the TN70 can be installed as a discrete GPS unit, leaving the existing panel equipment as is.

- Meets TSO-C145—compliant for 2020 ADS-B
- Compatible with Trig transponders

EDMO#	MFR#	DESCRIPTION
01381-00	01381-00	TN70 WAAS GPS Receiver & WAAS Antenna
02466-00	02466-00	TN70 WAAS GPS Receiver & WAAS Antenna | for TT22 Only

TA70 GPS KIT

TRIG AVIONICS LIMITED
EDMO# 01740-00
MFR# 01740-00



The TA70 is a fully certified TSO-C190 GPS antenna that meets the FAA requirements for ADS-B compliance and can also be used for other GPS functions. This antenna comes with a simple installation guide and fixing kit, which includes a gasket feature that provides coverage of existing antenna holes for a secure and weather-tight seal.

ADS-B SYSTEM AIRSPEED SWITCH KIT

PEREGRINE
EDMO# 1111148201
MFR# PA-111114-820-1



The ADS-B system airspeed switch kit from Peregrine provides air-ground input for ADS-B transmitters, including these Mode S transponders: Trig TT31, Trig TT22, and Bendix King KT74. The TT31 and TT22 are approved for use with Peregrine ADS-B STCs per FAA-PMA.

Kit includes:	Airspeed differential pressure switch (PA-111114-821) Clear Poly-Flo tubing, 48 inches (PA-111114-825) (2) Nylon union tees (PA-111114-831) (6) Nylon insertion stabilizers (PA-111114-833)

STX 360 SENTINEL TRANSPONDER

SANDIA AEROSPACE



The STX 360 Sentinel is a 978 MHz UAT ADS-B unit with a built-in Mode A/C transponder. An internal diplexer allows the transponder and the UAT to share a single antenna, while a single point of entry for the squawk code prevents two different codes from being reported.

Equipped with a sunlight-readable OLED display and wireless capability, the STX 360 allows pilots to view traffic, METARs, and status on the built-in display and the option to monitor weather, traffic, and FIS-B on a wireless-capable tablet or mobile device. For a quick retrofit, this unit is designed to fit the legacy footprint of previously installed transponders.

- Provides UAT ADS-B In and Out and pilot-selectable Anonymous Mode

	MODE A/C TRANSPONDER	UAT ADS-B
Transmitter Frequency:	1090 MHz	978 MHz
Receiver Frequency:	1030 MHz	978 MHz
Receiver Sensitivity:	-74 dBm	-93 dBm
Operating Temperature:	-20°C to 55°C	-20°C to 55°C
Certification:	DO 178C Level C TSO-C74d	DO160G DO 178C Level C DO 254 Level C TSO-C154Cc TSO-C195a TSO-C1457a

EDMO#	MFR#	DESCRIPTION
306430-00	306430-00	STX 360 Sentinel | Panel Mount
STX 360R	STX 360R	STX 360 Sentinel | Remote Mount

TRANSPONDERS

TT21 MODE S TRANSPONDER

TRIG AVIONICS LIMITED
EDMO# 00710-00
MFR# 00710-00



The TT21 is a two-part, low-power Mode S transponder system with a compact control head that includes an integrated altitude encoder. The 130-watt power output qualifies the TT21 as a Class 2 transponder*. Class 2 transponders may be used on aircraft cruising slower than 175 knots and operating below 15,000 feet, either IFR or VFR.

- Compact control head fits in a standard 57 mm round instrument hole or smaller compact mount

**Note the FAA requires a Class 1 device for 2020 controlled airspace*

Weight:	0.8 lb
Dimensions:	Controller: 1.8 x 2.4 x 2.1 in Transponder: 1.8 x 2.6 x 6.2 in (in tray)
Supply Voltage:	9–33 VDC
Current Consumption (typical @ 14V):	Idle: 0.15 A Active: 0.28 A

Transmit Power:	130 watt @ connector, nominal
Operating Temperature:	Transponder: -40°C to 70°C Controller: -25°C to 70°C
Cooling Requirement:	No fan required
Compliance:	ED-73C, DO-160F, DO-178B Level B, DO-254 Level C, DO-260B, DO-181D
Certification:	ETSO C88A, C112C, C166A TSO-C88b, TSO-C112c, TSO-C166b

EDMO#	MFR#	DESCRIPTION
00710-00	00710-00	TT21 Complete Kit | Includes: TC20 control head, transponder unit, mounting tray and install kit
02375-00	02375-00	Conspicuity Bundle | TT21 Mode S transponder(Class 2), TN72 GPS position source, and a TA50 GPS antenna with 1 m cable. Install kit and manuals are included.
ACCESSORIES		
00667-00	00667-00	Mounting bracket
00668-00	00668-00	Install kit w/ manuals
01318-00	00649-00-01	TC20 control head
01989-00	01989-00	Short harness
01990-00	01990-00	Long harness
01991-00	01991-00	Short harness plus TN72
01992-00	01992-00	Long harness plus TN72

TT26 DIRECT MOUNT TRANSPONDER

TRIG AVIONICS LIMITED

EDMO# 01767-00-1
MFR# 01767-00-01



The TT26 is designed to integrate with other on-board avionics. It uses industry-standard RS232 and RS485 interfaces—this makes installation straightforward and operations in the field, such as data and flight profile programming, predictable. The TT26 data bus can support a range of autopilots and flight sensors common in various UAS airframes. An installation tray is provided; however, the option of installation using the unit's built-in mounting points is possible, saving additional weight.

- Mode S transponder – 1090 MHz Extended Squitter
- ADS-B Out—ETSO certified to the latest FAA standard
- Built-in altitude encoder—certified for flight to 70,000 feet
- ETSO-certified GPS & altimeter
- Integrates with UAS autopilot systems via RS232 or RS485 interfaces
- Mount either by fixing points on the unit or using the supplied avionics tray

Weight:	1.05 lb (without tray) 1.1 lb (with tray)
Dimensions:	6 x 2.44 x 2.83 in
Supply Voltage:	11–33 VDC
Altitude:	70,000 ft
Operating Temperature:	Operating: -55˚C to 55˚C

STX-165 PANEL MOUNT TRANSPONDER

SANDIA AEROSPACE



The STX 165 and STX 165R Mode C transponders are TSO certified and provide 200 watts of nominal output power with no warm-up time. The STX 165 panel mount version has a 1/2 3ATI panel cutout configuration, a bright OLED display, and is equipped with a built-in altitude encoder and three functions: elapsed flight time, up time, and down timer. If the option STP OAT probe is installed (305561-91), the unit can also display density altitude (DALT), current outside air temperature in Celsius or Fahrenheit, and an icing alert. The STX 165R remote version accepts either Gilham Grey Code or RS-232 altitude input for Mode C operation. It can be mounted vertically or horizontally with or without a mounting tray.

STX 165 ONLY

- Simplified installation with a built-in encoder
- Ideal for LSA, glider, and UAV operations with low current requirements

STX 165 & STX 165R

- ADS-B Compatible with UAT 978 MHz systems

	STX 165 PANEL MOUNT	STX 165R REMOTE MOUNT
Weight:	1.3 lb	1.16 lb
Dimensions:	1/2 3ATI panel cutout 1.78 x 3.5 x 7.34 in (behind panel)	3 x 1.8 x 6.9 in
Current Requirements:	430 mA @ 14 VDC 210 mA @ 28 VDC (500PRF and 7777Code)	360 mA @ 14 VDC 180 mA @ 28 VDC (500PRF and 7777Code)
Inputs:	Built-in 35K altitude encoder External RS-232 (optional) STP78 OAT probe	Grey Code RS-232
Input Voltage:	11–33 VDC	
Power Output:	200 watts, nominal	
Transmitter Frequency:	1090 MHz	
Receiver Frequency:	1030 MHz	
Receiver Sensitivity:	-74 dBm @ 90% replay rate, nominal	
Temperature Range:	-20°C to 55°C	
Altitude:	-1,000ft – 35,000 ft	
Certification:	DO160F DO 178B Level C TSO C74d TSO D88b (Encoder)	DO160F DO 178B Level C TSO C74d

EDMO#	MFR#	DESCRIPTION
705832-00	705832-00	STX-165 Transponder | Panel Mount
705831-00	705831-00	STX-165R Transponder | Remote Mount
ACCESSORIES		
305561-91	305561-91	OAT probe for STX-165

ARINC-MANCHESTER CONVERTER

SHADIN AVIONICS



The ARINC-Manchester Converter (AMC) is designed to intercept and inject messages between the radio management unit and the RCZ-800/850 integrated communications unit. The AMC acts as a controller for the ADS-B compliant transponder via an A-429 bus. Messages from the RMU bus are forwarded to the COM bus, while return status messages from the transponder, combined with the transponder, are transmitted on the RMU bus.

Weight:	0.9 lb
Dimensions:	6.9 x 4.2 x 2.2 in
Supply Voltage:	18–33 VDC
Current Consumption:	200 mA @ 28 VDC
Thermo Dissipation:	8 watts, typical
In-flight Loss of Cooling:	Equipment can run indefinitely with no cooling
Altitude:	Up to 50,000 ft
Operating Temperature:	-55°C to 70°C
Mounting:	6.25 x 2 in | 4 screws

EDMO#	MFR#	DESCRIPTION
833520-01	833520-01	ARINC-Manchester Converter unit
ACCESSORIES		
K833520	K833520	Installation kit for AMC 833520-01 converter

ALTITUDE ENCODERS

ALTITUDE ENCODER

TRANS-CAL INDUSTRIES INC

EDMO# SSD120-35C
MFR# SSD120-35C-RS232



The SSD120-35C is a rugged and reliable altitude digitizer for applications where size, weight, and economy are critical. This encoder accurately measures air pressure and converts this measurement into the ICAO parallel data as set forth in the International Standard for Pressure Altitude Transmission.

Incorporating one ICAO gray code port and two RS232 serial altitude data outputs, this encoder is a simple and robust addition to any avionics installation requiring pressure altitude information for multiple aircraft systems. The serial data protocol is commonly used to provide pressure altitude data to ADS-B, GPS, autopilots, transponders, and other navigation devices.

- Six serial data protocols are available
- Data protocol is selected through internal shunts or via software set-up
- User-selectable resolution of either 10 or 100 feet through internal shunts
- Installation hardware includes a quick-release mounting tray, a mating electrical connector and backshell, a 1/8-27 NPT tube and plug, and an installation manual

Weight:	4.3 oz
Dimensions:	4.5 x 2.9 x 0.91 in
Voltage:	12–30 VDC
Current:	0.25A @ 14 VDC 0.27A @ 28 VDC
Altitude:	1,000 to 35,000 ft
Temperature Range:	Operating: -4°F to 158°F Storage: -85°F to 185°F
Warm-up:	0 seconds @ 68°F
Certification:	FAA TS- C88a, EASA TSO-C88a, RTCA DO-178 software, RTCA-DO-160E

NANO ALTITUDE ENCODERS

TRANS-CAL INDUSTRIES INC



SSD120-30N

The SSD120-(XX) Series Nano altitude encoders are all solid-state devices that measure air pressure and convert the measurements into the ICAO parallel data for pressure altitude transmission via ICAO pressure altitude Gray Code output. These Nano encoders also provide altitude data to ADS-B, GPS, transponders, autopilots, and other navigational devices with optional two (or five) asynchronous RS232 outputs for which the serial data protocol can be individually selected. The user has multiple resolution settings to choose from; typically, the altitude data is set to 100 feet or 10 feet. However, data protocols for one-foot resolution settings are available. The SSD-120 altitude encoders are available in an array of configurations according to operating altitude, temperature range, and necessary data formats (see table below).

- Dual 1/8-27 NPT static port inlets
- Serial ports may be installer configured to transmit separate data protocols (message and baud data)
- Power, ground, and data I/O lines are provided on industry-standard D-miniature connectors
- Constructed with corrosion-resistant aluminum housing

Weight:	5.9 oz (low altitude) 6.3 oz (high altitude)
Voltage:	12VDC @ 220mA / 28VDC @ 270mA (low altitude) 12VDC @ 55mA / 28VDC @ 60mA (high altitude)
ICAO Gray Code Output:	Yes
RS-232 Output:	Yes (except for SSD120-(XX)N model)
RS-485 Output:	No (except for SSD120(XX)N-RS model)
Electrical Connector:	D-Subminiature 15-pin, SSD120-(XX)N D-Subminiature 15-pin & 9-pin, -RS232 (low/high models) D-Subminiature 15-pin plug & 15-pin recpt, -RS models
Static Line Connection:	Dual 1/8-27NPT (low altitude) Dual 1/8-27NPT or 1/8 Tube Swivel Fitting (high altitude)
Altitude:	30,000 to 42,000 ft (low altitude) 50,000 to 100,000 ft (high altitude)
Operating Temperature:	Low: -20°C / -55°C (E models) High: 70°C
Approvals:	TSO-C88a, ETSO-C88a, MIL-STD-704E, RTCA DO-160E

EDMO#	MFR#	DESCRIPTION
SSD120-30N	SSD120-30N	Altitude Encoder | Low Altitude > 30K
SSD12030NE	SSD12030NE	Altitude Encoder | Low Altitude > 30K / Extended Temp. Range: -67°F to 158°F
30N-MOD1*	SSD120-30N(MOD.1)	Altitude Encoder | Low Altitude > 30K
SSD120-35N	SSD120-35N	Altitude Encoder | Low Altitude > 35K
SSD12035NE	SSD120-35NE	Altitude Encoder | Low Altitude > 35K / Extended Temp. Range: -67°F to 158°F
SSD120-42N	SSD120-42N	Altitude Encoder | Low Altitude > 42K
TWO ASYNCHRONOUS RS-232 OUTPUTS (LOW ALTITUDE)		
30N-RS232	SSD120-30N-RS232	Altitude Encoder | Low Altitude > 30K
30NERS232	SSD120-30NE-RS232	Altitude Encoder | Low Altitude > 30K / Extended Temp. Range: -67°F to 158°F
30NRS232M1*	SSD120-30N-RS232 M 1	Altitude Encoder | Low Altitude > 30K
35N-RS232	SSD120-35N-RS232	Altitude Encoder | Low Altitude > 35K
42N-RS232	SSD120-42N-RS232	Altitude Encoder | Low Altitude > 42K
42NE-RS232	SSD120-42NE-RS232	Altitude Encoder | Low Altitude > 42K / Extended Temp. Range: -67°F to 158°F
TWO ASYNCHRONOUS RS-232 OUTPUTS (HIGH ALTITUDE)		
50N-RS232	SSD120-50N-RS232	Altitude Encoder | High Altitude > 50K
62NE-RS232	SSD120-62NE-RS232	Altitude Encoder | High Altitude > 62K / Extended Temp. Range: -67°F to 158°F
100N-RS232	SSD120-100N-RS232	Altitude Encoder | High Altitude > 100K

EDMO#	MFR#	DESCRIPTION
2 RS-232 & 1 RS-485 OUTPUT		
35N-RS1	SSD120-35N-RS1	Altitude Encoder | Low Altitude > 35K
50NEH-RS	SSD120-50NEH-RS	Altitude Encoder | High Altitude > 50K / Extended Temp. Range: -67°F to 158°F / Hermetically Sealed
FIVE RS-232 ASYNCHRONOUS OUTPUTS		
30N-RS5	SSD120-30N-RS5	Altitude Encoder | Low Altitude > 30K
ACCESSORIES		
881022	881022	Mounting Tray
881023	881023	Mounting Tray Knob
881023-R	881023	Mounting Tray Knob
N-KIT	SSD120-(XX)N KIT	Replacement Connection Kit | Includes: 15-pin D-Subminiature mating connector, 15-pin connector back shell, 1/8 NPT nylon tube fitting, 1/4-inch tube polypropylene tee fitting, 1/8-27NPT nylon plug
SRN-KIT	SSD120-(XX)N-RS232	Replacement Connection Kit | Includes: 15-pin D-Subminiature mating connector, 15-pin connector back shell, 9-pin D-Subminiature mating connector, 9-pin connector back shell, 1/8 NPT nylon tube fitting, 1/4-inch tube polypropylene tee fitting, 1/8-27NPT nylon plug
ADAPTER PLATES		
103035	103035	Compatible with: Sandia Devices
103036	103036	Compatible with: TCI D120
103038-B	103038-B	Compatible with: Narco AR850 (L/C), Rev-B
103059-B	103059-B	Compatible with: ACK Devices, Rev-B
103060	103060	Compatible with: Shadin Devices
103061	103061	Compatible with: Ameri-King Devices

**SSD120(XX)N series altitude digitizers must be factory modified to function with earlier Narco transponder models: AT-5, AT-5A, AT-6, AT-6A, AT-50, and AT-50A. The current SSD120(XX)N models does not allow field modification and must be ordered from the factory as a "mod.1" version device to function with these earlier Narco transponders.*

D120-P2-T ALTITUDE ENCODER

TRANS-CAL INDUSTRIES INC
EDMO# D120-P2T20
MFR# D120-P2-T (20K)



Trans-Cal Industries (TCI) has designed a low-cost altitude reporting system that will meet and satisfy all the requirements of TSO-C88. The system is completely independent of the pilot's altimeter and consists of a temperature-compensated, pressure-sensitive, dual aneroid capsule, associated mechanical linkages, and an encoder module. The encoder module is an optical type utilizing gallium arsenide (GaAs) light-emitting diodes, a code disc, a solid-state detector, and associated electronics.

A-30 ALTITUDE ENCODER

ACK TECHNOLOGIES INC.



A-30.5

The A-30 digitizer works with all modern Mode A/C and Mode S transponders. In mod 4 through 7 configuration, the digitizer reports to 30,750 feet and provides parallel Gray Code output. In mod 8 and above, the A-30 report to 42,000 feet and provides both parallel Gray Code and two RS-232 outputs, which are jumper selectable in 10- or 100-foot increments in the most popular data formats.

Weight:	5.1 oz
Dimensions:	6 x 2.65 x 1.3 in
Voltage:	10–32 VDC
Current:	160 mA, typical
Range:	Mod 5: 950 to 30,750 ft, Gray Code output Mod 9: 950 to 42,000 ft, 2 x RS-232 outputs
Accuracy:	± 20 ft (typical), ± 50 ft (maximum)
Warm-up Current Draw:	14 VDC: 160 mA 28 VDC: 220 mA
Warm-up Time:	70°F: 60 seconds 0°F: 210 seconds
Altitude:	Gray Code (parelle) output: 100 ft RS-232: 10 ft or 100 ft
Operating Temperature:	-4°F to 131°F
Construction:	Gold-plated connectors Anodized diecast aluminum chassis
Certification:	FAA TSO-C88a
Includes:	Quick Release Mounting Tray, 4-foot Harness, 4-foot Static Line, and Installation Manual

EDMO#	MFR#	DESCRIPTION
A-30.5	A-30.5	A-30 Encoder | Mod 5 Gray Code
A-30.9	A-30.9	A-30 Encoder | Mod 9 Gray Code, RS-232 Dual Outputs
ACCESSORIES		
1-03	A30.11.01	Wiring Harness
1-04	A30.06.04	Black Hose | Approx. 3 ft
A-30.06K	A-30.06K	Hardware Install Kit | Includes: 1/8 NP port adapter, (4) 3/8 spring hose clamp, (6) 5/16 spring clamp, 3/16 nylon T-fitting, (2) reducing adapters, & a sheet altimeter placard
A-30E	A30.03	Mount Tray | Includes: Mounting Nut and Bolt
A-30P1	A-30P1	Mod 3 Cable Assembly
A30.11.01	A30.11.01	Connector and Wire Assembly | 4 ft
A30.11.02	A30.11.02	Add-on Wire Kit

SAE 5-35 ALTITUDE ENCODER

SANDIA AEROSPACE
EDMO# 705154-00
MFR# 705154-00



The SAE 5-35 altitude encoder provides accurate altitude data by combining altitude encoding, digital altitude on two RS-232 outputs, and altitude inflight monitoring (AIM) into a single compact and reliable unit. The SAE 5-35 provides Gillham Grey Code to the aircraft's Mode C transponder using innovative pressure circuitry that greatly reduces warm-up time. This unit provides digital altitude, on two independent RS232 outputs, in 10-foot increments to be used by GPS and Terrain Awareness Systems (TAWS). This unit provides altitude data from -1,000 to 35,000 feet—ideal for installations in piston, turbine, and jet aircraft. The altitude inflight monitoring (AIM) system ensures that the aircraft altitude remains within the selected altitude and provides alerts whenever deviations of 100 feet or more occur.

Weight:	0.7 lb
Dimensions:	1.06 x 4.87 x 4.74 in
AIM Off-Voltage:	50V
AIM Lamp Current:	80 mA, max
Power Input:	11–33 VDC
Current:	0.9 Amp (with heater on)
Outputs:	One: Grey Code Two: RS232
Resolution:	Grey Code: 100 ft RS232: 10 ft

Altitude:	35,000 ft
Accuracy:	50 ft or better throughout range
Certification:	TSO-C88a

EDMO#	MFR#	DESCRIPTION
705154-00	705154-00	SAE 5-35 Altitude Encoder
ACCESSORIES		
305216-00	305216-00	Install Kit
305189	305189	Knurled Hold Down Nut

M650 PRESSURE ALTITUDE ENCODER

DAVTRON INC

The model M650 is a pressure altitude encoder for testing blind encoders on a test bench. These encoders feature sunlight-readable displays that dim automatically during nighttime operations and are capable of measuring altitude from -1,000 to 62,700 feet.



Weight:	5 oz
Dimensions:	2.9 x 1.65 x 1.4 in (650-1) 2.375 x 2.375 x 1.4 in (650-2)
Input Voltage:	14–28 VDC
Input Current:	0.35 A, maximum
Pressure Altitude:	-1,000 to 62,700 ft

EDMO#	MFR#	DESCRIPTION
650-1	1030-650-1	Rectangle Panel Mount
650-2	1031-650-2	Round Panel Mount

ATS-400 ALTITUDE DIGITIZER TEST SET & SIMULATOR

TRANS-CAL INDUSTRIES INC
EDMO# ATS-400
MFR# ATS-400



The TCI Model ATS-400 tests, displays, and simulates the output of altitude reporting equipment conforming to the ICAO standard for SSR pressure altitude transmission. The ATS-400 uses an advanced RISC microprocessor for decoding and displaying the output of Trans-Cal altitude encoders in both numeric and binary forms with an input range of -1,000 feet to 126,000 feet. The ATS-400 can interface with an IBM-based PC for cross-referencing and two-way data communication if required.

- Simulates altitude data in accordance with ICAO standards
- Tests altitudes from -1,000 to 126,000 feet
- Simulation mode provides technicians with a known, good ICAO altitude code source
- Tests altitude inputs to transponders, GPS, MFD, autopilots, and other NAV devices

Weight:	3.5 lb
Dimensions:	6.16 x 5.68 x 10 in
Voltage:	7.5–35 VDC, 400 mA (max)
Operating Temperature:	-0°C to 50°C
Connector Ports:	ICAO input, ICAO simulate RS232 input, RS232 simulate RS422/485 input / ARINC 429 input

ECP-100 ALTITUDE ENCODER CALIBRATION PROGRAMMER

TRANS-CAL INDUSTRIES INC
EDMO# ECP-100
MFR# ECP-100



The ECP-100 Altitude Encoder Calibration Programmer allows technicians to assign serial port protocols in 10- or 100-foot resolution while allowing the programming of the calibration curve on Trans-Cal altitude encoders via the RS232 port. The ECP-100 provides a simple and reliable method for setting the serial port protocol assignments and calibrating Tran-Cal altitude encoders without the use of a PC computer.

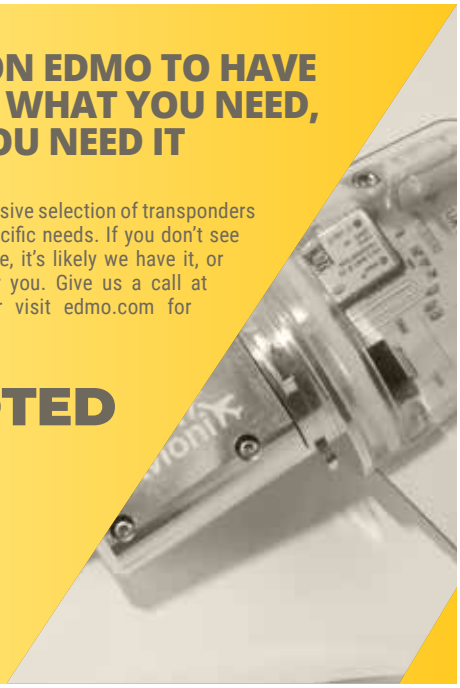
- Enclosed in small, rugged housing with a protective boot
- Connects to all Trans-Cal altitude encoders with serial ports
- Configures encoders RS-232 ports to transmit identical separate data protocols
- Power from an AC adapter or battery

Weight:	12 oz
Dimensions:	7.5 x 4 x 1.5 in (without protective boot) 8.8 x 4.6 x 1.8 in (with protective boot)
Voltage:	10–33 VDC
Power:	AC adapter or battery
Operating Temperature:	-20°C to 70°C

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DEVOTED



ENCODER EMULATOR TESTER

TRANS-CAL INDUSTRIES INC
EDMO# EET-200
MFR# EET 200



Trans-Cal EET-200 Encoder Emulator provides avionics professionals the ability to quickly locate and identify any problems between the altitude encoder, the transponder, or the connected wire harness. The EET-200 can perform five basic tests: altitude-encoded output test, wire harness test, transponder test, enable (strobe) test, and power polarity test.

- Includes: encoder emulator unit, 1/8 in ID Norprene tubing 18 inches, wiring harness 15-pin D-sub, and owner/operation manual

Weight:	8 oz
Dimensions:	6.5 x 3.5 x 2.5 in
Voltage:	10–33 VDC
Power:	15ma @ 14 V 48ma @ 28 V
Operating Temperature:	-0°C to 50°C

SERIAL DATA REPEATER

TRANS-CAL INDUSTRIES INC
EDMO# 100N-SDR
MFR# SSD120-100N-SDR



The SSD120-100N-SDR Serial Data Repeat is capable of providing up to ten RS-232 outputs from a single input. This solid-state repeater is a simple and robust device for transmitting serial data to multiple systems about the aircraft. The SSD120-100N-SDR is designed to accept one or two RS-232 inputs and then retransmit over two groups of five or one group of ten outputs.

- One or two RS-232 data inputs, or one RS-485 input
- Fan-out for up to ten RS-232 outputs
- Outputs can be configured in one group of ten or two groups of five

Weight:	3 oz (4 oz with mounting tray and knob)
Dimensions:	3.42 x 1.96 x 0.85 in
Voltage:	10–33 VDC
Current:	20 mA for one output 60 mA for ten outputs
Altitude:	-1,200 to 100,000 ft
Operating Temperature:	-40°C to 70°C
Certification:	FAA TSO-C88a ETSO-C88a approved Conforms to MIL-STD-704E, RTCA DO-160E

SERIALIZERS

ALTITUDE SERIALIZER

TRANS-CAL INDUSTRIES INC
EDMO# IA-RS232CS
MFR# IA-RS232C-S



The IA-RS232CS altitude serializer is a solid-state interface adapter that converts parallel, 10-bit ICAO pressure altitude data to a fan-out of two RS-232 compliant outputs. This device provides a simple and robust method for converting parallel data into serial data and then retransmits it to multiple aircraft systems.

- Serial data provided from the two RS-232 outputs can be used to provide pressure altitude data for GPS or other navigation devices
- Compatible with Trans-Cal, Terra, ACK, and Narco

Weight:	12 oz
Voltage:	12–30 VDC
Current:	0.09 A (90 mA)
Altitude:	-1,000 to 62,700 ft
Temperature range:	Operating: -20°C to 85°C Storage: -55°C to 85°C
Certification:	FAA TSO-C88a RTCA DO-178 software RTCA DO-160B environmental

ST 32 SIGNAL CONDITIONER

SANDIA AEROSPACE
EDMO# 305952-00
MFR# 013-00337-00



The ST 32 is a dual-function signal conditioner that converts four sinusoidal output channels from tach generators and one analog strain gauge pressure channel into a digital signal that can be used by aircraft displays and control systems.

Weight:	0.62 lb
Dimensions:	4.8 x 4.8 x 1 in
Voltage:	18–32.2 VDC
Current:	< 1 A, heater on < 100 mA, heater off
Altitude:	55,000 ft, maximum
Operating Temperature:	-55°C to 70°C

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TACTICAL RADIOS & DIGITAL AUDIO

RT-7000 TACTICAL PANEL MOUNT RADIO

CANYON AEROCONNECT



Canyon AeroConnect satisfies complex communications needs, accommodates changing technologies, and simplifies operations with the RT-7000 Flexcomm™ Panel Mount Tactical Radio. This unit operates on all public safety and para-public voice communications bands, supporting 29.7 MHz to 960 MHz communications with up to three embedded and individual channels equivalent to three separate radios and an additional two external handheld radios. The RT-7000 provides P-25 Phase 1 and 2 digital modulation across the entire range and with the addition of up to two extra modules, it can also cover VHF, UHF, and 700/900 MHz public safety bands. As a software-defined device, the RT-7000 can be updated to meet evolving requirements for software and hardware without replacing the radio. This unit includes an integrated audio and radio control; commands can be entered via the touchscreen display or dual con- centric front panel knobs.

- Provides communication across all public safety and para-public voice communication bands supporting 29.7 to 960 MHz communications
- Uniquely designed for maximum interoperability and upgradability
- Best-in-class NVIS Green B-compliant, multi-color touchscreen display
- Multi-key FIPS-140-2 encryption
- Easy, embedded relay/simulcast across 2-5 transceivers or receiver/transmitters
- Front panel-programmable up to 3000 preset channels
- Color LCD display with programmable day/night backlighting: MIL STD 3000 NVIS Green B-compliant

Weight:	8.5 lb (approximate)
Dimensions:	5.75 x 4.50 x 9.82 in
Voltage requirements:	27.5 VDC ±20%
Channel spacing:	6.25 MHz / 8.33 MHz / 12.5 MHz / 25 MHz
Frequency range:	AM/FM Analog 29.7-960 MHz, including bands: 30–50 MHz / LMR 30–88 MHz / military 87.5–108 MHz / FM broadcast 108–118 MHz / VOR voice 118–154 MHz / ATC and civil air patrol 136–174 MHz / LMR 156–174 MHz / maritime 225–400 MHz / military 380–520 MHz / LMR 764–960 MHz / LMR
Transmit power:	ATC COMS: 4-watt, min. AM: 4-watt, min. FM: 10-watt P-25: VHF – 6-watt / UHF – 5-watt 700/800 MHz: 3-watt
APCO P-25:	All P-25 bands: Conventional Common Air Interface (CAI) Phase I & II Trunking Analog Trunking (SmartZone, SmartNet)
Encryption:	FIPS 140-2, Level 2/3 P-25 AES & DES Analog DES, DES-XL, DVP P-25 OTAR Multi-key
Temperature range:	-20°C to 55°C
Certification:	TSO/ETSO 169a ATC COM & C113 Display

EDMO#	MFR#	DESCRIPTION
		Panel Mount Radio (PMR) supports three internal transceiver cards and two external radio connections. Remote Mount Radio (RMR) supports up to six transceiver cards plus two external radio connections and requires a remote display unit to control. Internal transceiver cards include COBHAM/WULFSBERG Wideband Transceiver (WBT) 29.7-960 MHz AM & FM P25 Phase 1, or Motorola APX8000 Tri-Band Transceiver cards (VHF, UHF, & 700/800 MHz).
		**Call to configure an RT-7000 Radio for your specific mission needs.*
PANEL MOUNT		
RT7000-3-1	RT7000PMR-003-001-0004-0001	1 Crypto capable WBT, 1 APX, 1 FCC Narrowband
RT7P11100	RT7000PMR-011-001-0000-0000	1 Wideband Transceiver Module 29.7-960 MHz, 1SAR Module
RT7000-1-3	RT7000PMR-001-003-0000-0000	1 Wideband Transceiver Module 29.7-960MHz, 1 FCC Narrowband
RT7000-6-1	RT7000PMR-006-001-0007-0019	2 eat APX8000 Modules, FCC narrowband, VHF/UHF, 700/800 MHz, P25 Phase 1 & 2, Multikey Encryption
RT7000-6-6	RT7000PMR-006-001-0007-0016	2 ea, APX Modules
RT7000-2-3	RT7000PMR-002-003-0000-0000	2 ea. Wideband Transceivers
RT7P62725	RT7000PMR-006-002-0007-0025	APX slot 2: VHF, UHF, 700/800 MHz, P25 phase 1 & 2 trunking, MULTI-KEY AES/DES/DES-XL/DES-OFB, OTAR & OTAP; FCC narrowband
RT7R2200	RT7000RMR-002-002-0000-000	2 Crypto Capable WBT, FCC Wideband/Narrowband Selectable
REMOTE MOUNT		
RT7000RM42	RT7000RMR-004-002-0004-0011	1 Crypto Capable Wideband Transceiver & 2 APX Modules
RT7R1100	RT7000RMR-001-001-0000-0000	1 WBT Card, FCC Wideband/Narrowband Selectable
RT7000RM61	RT7000RMR-001-001-0000-0000	2 APX Modules with VHF/UHF, DES-XL/OFB,AES, FPP, P25 Phase 2 Trunking, OTAR with Multikey, VoteScan, OTAP, Advanced System Key (Not Narrowband)
REMOTE DISPLAY UNITS		
RCDU-7-1-1	RCDU-7000-001-001	RT-7000 remote display unit / serial data converter board & non-lighted bezel
RCDU-7-2-1	RCDU-7000-002-001	RT-7000 remote display unit / non-lighted bezel
RCDU-7-2-2	RCDU-7000-002-002	RT-7000 remote display unit / NVIS green backlighting
PROGRAMMING CABLES		
271601-01	129-271601-01	RC Programming cable / APX8000
271603-02	129-271603-02	Programming cable / ICT/MCT, Micro D-sub to RS-232
SOFTWARE		
171803-01	320-171803-01	Installation configuration tool software
171804-01	320-171804-01	Mission configuration tool software
INSTALLATION KITS		
041881-01	129-041881-01	Installation kit for RT-7000
ACCESSORIES		
APM-7000	APM-7000-001-001	Avionics personality module for RT-7000 panel mounted radio
123-371761	123-371761-02	RT-7000 to APX adapter cable
129-271260	129-271260-01	J101 D-sub connector / 78 position socket with crimp contacts
129-271261	129-271261-01	J1-5 D-sub connector / 9 position socket with crimp contacts
171912-01	129-271261-01	J101 straight backshell connector
171936-01	129-171936-01	J105 straight backshell connector
140844-01	129-140844-01	J105 Connector D-Sub Backshell DB-9
171984-01	129-171984-01	J101 right angle backshell connector
171985-01	129-171985-01	J105 right angle backshell connector
371761-01	123-371761-01	ICT cable to APX cable adapter
671829-01	149-671829-01	J101 right angle backshell connector
071622-01	130-071622-01	Antenna switching unit for RT-7000
241803-09	129-241803-09	J105 straight backshell power connector
271602-01	129-271602-01	KVL keyloading cable for RT-7000

EDMO#	MFR#	DESCRIPTION
072407-01	300-072407-01	RT-7000 RMR dual mounting tray
072411-01	300-072411-01	RT-7000 RMR single mounting tray RMR

FLEXCOMM™ TRANSCEIVER ANTENNA SYSTEMS

EDMO#	MFR#	DESCRIPTION	LENGTH / COLOR
TUNED BLADE – 27.5 MHZ TO 960 MHZ			
017850-01	121-017850-01	AT-550 antenna / FC-550 req.	9.5 in / white
040130-01	121-040130-01	AT-560 antenna / FC-5000 req.	9.5 in / white
040130-02	121-040130-02	AT-560 antenna / FC-5000 req.	9.5 in / black
AT-5000-1	121-040045-01	AT-5000 antenna / FC-5000 req.	9.5 in / white
AT-5000-2	121-040045-02	AT-5000 antenna / FC-5000 req.	5.5 in / black
TUNED BLADE 29.7 MHZ TO 960 MHZ			
042832-01	121-042832-01	AT-570 antenna / FC-570 tuner req.	9.5 / white
042832-02	121-042832-02	AT-570 antenna / FC-570 tuner req.	9.5 / black
PASSIVE BLADE – 27.5 MHZ TO 960 MHZ			
040129-01	121-040129-01	AT-160 antenna	9.5 in / white
040129-02	121-040129-02	AT-160 antenna	9.5 in / black
ACCESSORIES			
FC-5000	153-040047-01	FC-5000 antenna tuner | AT-560 & AT-5000	
042831-01	153-042831-01	FC-570 tuner | AT-570 antenna	
040046-01	146-040046-01	Gasket | AT-5000	
040129-G	146-040129-01	Gasket | AT-160	
040133-01	146-040133-01	Gasket | AT-560 & AT-570 antennas	
047154-01	149-047154-01	Connector | AT-5000	
216657-01	129-216657-01	Connector | RT-5000	
041397-01	129-041397-01	RG-393 TNC | Straight connector	
041810-01	129-041810-01	RG-142/400 TNC | Straight connector	
041811-01	129-041811-01	RG-142/400 TNC | Right angle connector	
049112-01	129-049112-01	RG-142/400 N | Straight connector	
049113-01	129-049113-01	RG-142/400 N | Right angle connector	

F5011 VHF TRANSCEIVER

ICOM AMERICA INC.
EDMO# F5011 51
MFR# F5011 51



The F5011 is a versatile VHF transceiver designed with rugged construction and simple operation. This radio has four programmable buttons and eight channels of communication with 2-tone, 5-tone, MDC 1200, CTCSS, and DTCS capabilities as standard to set up customized talk zones. A priority scan mode allows users to monitor one or two priority channels while scanning other channels. The F5011 series is built to be rugged and tested to MIL-STD 810F specifications to survive harsh environments and keep on working.

- Built-in MDC 1200 for transmitting a PTT ID and emergency signal and for receiving radio check, stun, and revive
- Remote channel control with an optional ACC cable
- Four-watt front-mounted speaker
- Wide frequency coverage
- Programmable microphone hanger action
- Optional DTMF microphone (HM-152T) and voice scrambler unit (UT-109R or UT-110R)
- DTMF autodial function
- PC programmable
- Talk around function
- Power-on password function
- Nuisance delete function
- Time-out-timer, lock-out penalty timer

Weight:	2.4 lb
Dimensions:	5.91 x 1.57 x 6.59 in
Frequency Coverage:	136–174 MHz
Channel Spacing:	12.5 kHz, 15 kHz
Number of Channels:	8 channels
Current Drain:	Tx: 10 A (50W/45W) Rx: 700 mA (max audio) / 250 mA (stand-by)
Output Power:	50 W, 25 W, 5 W (Hi, L2, L1)
Includes:	HM-152 hand microphone, DC power cable, microphone hanger, mounting bracket kit, and key assign stickers

EDMO#	MFR#	DESCRIPTION
F5011 51	F5011 51	F5011 VHF Transceiver
ACCESSORIES		
CS120-20AG	ICT CS120-20AG/IC04	ICT Panel Mount Radio Power Supply & Cabinet

F5021 VHF VEHICLE MOUNT TRANSCEIVER

ICOM AMERICA INC.



The IC-F5021 VHF mobile transceiver is ideal for small to midsized systems for public safety, large industrial, and light commercial applications. The IC-F5021 offers multiple signaling, advanced scanning, improved external channel control capability, and a wide frequency range from 136 MHz to 174 MHz. The F5021 features popular signaling tones such as 2-tone, 5-tone, CTCSS, and DTCS standards for setting up customized talk groups, as well as PTT ID and quiet standby when others are taking. This radio adds CTCSS/DTCS high speed decode and 2-tone decode accuracy. This vehicle mount transceiver also has six programmable buttons that allow the user to customize the radio to their requirements.

- 128 memory channels into eight memory zones, which can be identified by an eight-character channel name
- Four-watt front-mount speaker delivers loud and clear audio
- Military-grade construction using die-cast aluminum chassis and polycarbonate front panel; tested to MIL-STD 810F
- MDC 1200 compatibility with built-in signaling provides PTT ID, radio check, radio stun, radio revive, emergency TX/RX (no ACK), and five alias table
- Up to ten multiple 2-tone and eight 5-tone codes can be decoded on a channel
- Lone worker function will sound a beep requiring the user to press a button within a specific amount of time; the radio can also send an emergency signal to co-workers
- Mode-dependent scan feature is dependent on the operating channel; useful if the user moves to another area
- A 40-pin slot provides the option for adding optional equipment to expand the IC-F5021 transceiver's capabilities: options such as a voice scrambler, UT-109R or UT110R for secure communications, or a DTMF decoder unit, UT108R
- Other features: wide/narrow channel spacing, embedded ESN, ±2 ppm frequency stability, microphone hanger action programmable, 8 DTMF autodial memories, power-on password, time-out timer, and lock-out penalty timer

Weight:	2.4 lb
Dimensions:	5.91 x 1.57 x 6.59 in

*continued on next page

Frequency Coverage:	136—174 MHz
Channel Spacing:	12.5 kHz, 15/30 kHz
Number of Channels:	128 channels (8 zones)
Power Supply Requirements:	13.6 VDC
Current Drain:	Rx: 1.2 A (max audio) / 300 mA (stand-by) Tx: 14 A (50W/45W)
Output Power:	50 W (VHF)
PLL Channel Strip:	2.5 kHz, 3.125 kHz (VHF)
Operating Temperature:	-22°F to 140°F
Includes:	HM-152 hand microphone, DC power cable, mounting bracket kit, microphone hanger, and key assign stickers

EDMO#	MFR#	DESCRIPTION
F5021 66	F5021 66	F5021 VHF Vehicle Mount Transceiver
ACCESSORIES		
CS120-20AG	ICT CS120-20AG/IC04	ICT Panel Mount Radio Power Supply & Cabinet

F6121D VHF/UHF MID-RANGE MOBILE RADIO

ICOM AMERICA INC.
EDMO# F6121D 57
MFR# F6121D 57



The F6121D VHF and UHF digital/analog transceiver provides NXDN™ CAI-based IDAS digital mode operation and is compatible with IDAS single-site trunking. Users can customize the radio to suite their specific needs; the following information is programmable: PTT ID, individual/talkgroup list, radio access number (RAN), status, short data message (SDM), call alert, radio check (RX), stun/kill/revive (RX), remote monitor (RX), emergency (No ACK), digital voice scrambler, and GPS data.

- 128 channel capacity and up to 8 zones allow users to group channels together
- 8-character alphanumeric LCD displays icons and shows a variety of information, including operating status, caller's name, and received messages
- Tough aluminum die-cast chassis and polycarbonate front panel are tested to the MIL-STD 810F.
- Five levels of mic gain, providing clearer transmissions
- Large, backlit front buttons are programmable to meet specific requirements
- An optional 25-pin D-Sub ACC cable (OPC-2078) allows for an external GPS receiver or PC to be connected
- A powerful, 4-watt speaker delivers clear audio throughout the vehicle's cabin.
- Analog mode provides 2-tone and 5-tone signals, giving uses selective calling, quite standby, and other convenient functions; and a stun/kill function disables the radio while a revive feature restores functionality
- Priority scanning allows users to monitor one or two priority channels while scanning non-priority channels; the transmit channel and talkback functions allow for quick responses while scanning
- MDC 1200 compatibility provides PTT ID, radio check (RX), emergency (No ACK), stun/revive (RX), and a table for 500 aliases (analog mode)
- Lone worker function alerts users to "check in" if the radio is not operated after a preset period; an emergency alert signal is sent out automatically if the user does not "check in"

Weight:	2.4 lb
Dimensions:	5.91 x 1.57 x 6.59 in
Frequency coverage:	400–470 MHz, 450–512 MHz
Channel spacing:	6.25/15/30 kHz, 6.25/12.5 kHz
Number of channels:	128 channels (8 zones)
Power supply requirements:	13.6 VDC
Current drain:	Tx: 50 W / 45 W (high) Rx: 1.2 A (max. audio) Standby: 300 mA
Output power:	45W, 25W, 4.5W (Hi, L2, L1), @ 13.6 VDC
Type of emissions:	11K0F3E, 4K00FIE/F1D
PLL channel strip:	2.5 kHz, 3.125 kHz (VHF)
Antenna Impedance:	50Ω (SO-239)
Operating Temperature:	-30°C to 60°C (-22°F to 140°F)
Includes:	Hand microphone (HM152), microphone hanger, DC power cable, key assign stickers, mounting bracket kit

F6220D VHF/UHF IDAS DIGITAL TRANSCEIVER

ICOM AMERICA INC.
EDMO# F6220D-22
MFR# F6220D 22



The F6220D VHF/UHF Digital Transceiver features IDAS™ Multi-site trunking, channel announcement, a loud four-watt speaker, and IDAS network capabilities. In multi-site trunking mode, roaming scan mode automatically finds a new site to retain its communications link quality whenever RF signal quality is attenuated. The four-watt speaker delivers loud and clear audio throughout the cabin or vehicle. This IDAS transceiver has a military tough construction with a die-cast aluminumium chassis and polycarbonate front panel and tested to MIL-STD-810 environmental standards.

- Up to 500 individual and up to 500 group ID aliases
- PTT ID and ANI
- SDM (Short Data Message), RAN (Radio Access Number), Digital voice scrambler, Call alert, Radio check (RX), Remote monitor (RX), ATB (All Trunks Busy) ring back, Status, Stun/kill/revive (RX), and Emergency capabilities
- Channel announcement conveniently calls out channel number
- CTCSS/DTCS encoder/decoder
- Programmable microphone hanger action
- Talk around function
- Forced narrow function
- Volt scan
- Time-out-timer, lock-out-penalty
- Power-on password function
- Nuisance delete function

Weight:	2.4 lb
Dimensions:	5.91 x 1.57 x 6.59 in
Frequency coverage:	136 MHz – 174 MHz (VHF) 350 MHz – 400 MHz, 450 MHz – 512 MHz (UHF)
Channel spacing:	15/12.5/6.25 kHz
Number of channels:	128 channels (8 zones)
Power supply requirements:	13.6 VDC
Current drain:	Tx: 11A (45W high) Rx: 1.2A (max. audio) Standby: 300 mA
Output power:	45W, 25W, 4.5W (Hi, L2, L1)
Type of emissions:	11K0F3E/8K50F3E/4K00F1E/F1D
Antenna Impedance:	50Ω (SO-239)
Operating Temperature:	-30°C to 60°C (-22°F to 140°F)
Includes:	Hand microphone (HM152), microphone hanger, DC power cable, key assign stickers, mounting bracket kit

RTU-200 UHF TRANSCEIVER

MORCOM
EDMO# RTU-200
MFR# RTU-200



The RTU-200 UHF Transceiver is Morcom's unique offering for civil and military operators that need a radio that works in the 225–400 MHz band. This transceiver is a multimode unit because it operates either in AM or FM modulation, making it interoperable with most UHF aircraft-installed radios and with legacy ground-based transceivers in that band. With a power output of 40 Watts in FM and 15 Watts in AM (carrier), this unit packs enough punch to reach aircraft at considerable distances.

As the 225–400 MHz is the primary air-to-ground communications band for military aircraft, this transceiver is ideal for use by the military services and government contractors that need air-to-ground communications in this band. The RTU-200 is built to last; its metal chassis ensures durability and the ability to be installed in two different configurations: vehicular use (24 VDC) and base station use (with an external power supply).

- Possibility to operate in the remote mode by serial communication line (supports RS232 and RS422 protocols)
- Possibility of connection with centralized systems
- Built-in self-control and self-diagnostic system (BITE)

Weight:	5 kg
Dimensions:	94 x 264 x 237.5 mm
Frequency coverage:	225–400 MHz
Channel spacing:	25 kHz
Modulation:	AM (A3E), FM/PM (G3E)
Communication Type:	Telephony
Frequency Accuracy:	1 ppm
Power Supply:	24 VDC
Power Consumption:	7 A @ 24 VDC
Operating Temperature:	-10°C to 55°C
Storage Temperature:	-40°C to 70°C
Relative Humidity:	Up to 95% (25°C to 55°C)

SINGLE BAND VHF/FM ANALOG RADIO

CANYON AEROCONNECT



NPX138N

The NPX138 panel mount FM transceiver is a USFS-compliant, stand-alone radio that operates on the 138 MHz to 174 MHz frequency range in 5.0/6.25 kHz increments. Each of the 100 available channels can store a receive frequency and CTCSS tone, transmit frequency and CTCSS tone, scan function, and an alpha/numeric identifier. The user can select transmit power of either 1 or 10 watts. The optional synthesized, two-channel guard receiver available on some models allows front panel tuning of user frequencies; thereby allowing the operator to select for wide (25 kHz spacing) and narrow band (12.5 kHz spacing) operation. Other options include simplex and semi-duplex operations. Panel lighting is available in 28, 14, and 5 VDC controlled by the air- craft dimmer bus (NVG-compatible lighting is also available).

- Wideband/narrowband capable via front panel
- Optional synthesized 2-channel guard receiver–Low power consumption
- Modular construction
- Multiple scan modes

Weight:	3 lb
Dimensions:	8.64 x 5.75 x 1.88 in
Input power:	28 VDC
Current:	0.5A, receive / 2.0A, transmit (typ.) 0.8A, receive / 3.0A, transmit (max.)
Frequency:	138–173.995 MHz
Audio output power:	100 mW @ 600Ω Bal/Unbal
Tone capability:	38 standard CTCSS tones
Remote interface:	RS232C serial data
Altitude:	25,000 ft
Certification:	TC STC #SA99-211 / TC STC #SH05-12, FAA STC #SA01170NY / FAA PMA, DO-160C Env. CAT [B4D1]ZBA[BMN]XXXXXXABA- BAUAXXX

EDMO#	MFR#	DESCRIPTION
NPX138N PANEL MOUNT RADIO		
138N000-00	NPX138N-000-00	Wideband & Narrowband
NPX138N000	NPX138N-000-01	Narrowband | 138–174 MHz
NPX138N070	NPX138N-070-01	Narrowband | Synth Guard
NPX138N900	NPX138N-900-00	Multi-mode, Synth Guard, Narrowband, NVG
138N700-00	NPX138N700-01	Wideband (narrow band selectable) | NVG Compatible
ACCESSORIES		
NPX-IKC	NPX-IKC	Crimp kit
FC45-002	FC45-0023	NPX to TFM adapter cable
IC270-IKC	D15SV-IKC	NPX crimp installation kit

SAL-7000 PORTABLE RADIO INTERFACE

SKYE AVIONICS



SAL-7000

The SAL-7000 Portable Radio Interface provides a standardized connection for connecting portable radios into an RT-7000 radio. A quick disconnect is provided for supporting various models of handheld radios for operation requiring multiple radios, multiple encryption codes, and multiple frequencies.

- DO-160 Tested
- Multiple portable radios supported including Motorola and Harris
- Dzus or box mount
- Aluminum case, laser engraved, anodized finish

EDMO#	MFR#	DESCRIPTION
PORT RADIO INTERFACES		
SAL-7000	SAL-7000	SAL-7000 interface | with mounting tabs for remote installations
SAL-7000KT	SAL-7000KT	SAL-7000 kit | Includes SAL-2010KT (1 ea. SAL-2020, SAL-2030, and SAL-2040)
SAL-7010	SAL-7010	SAL-7000 interface | with DZUS mount
SAL-7010KT	SAL-7010KT	SAL-7010 interface | includes SAL-2010KT (1 ea. SAL-2020, SAL-2030, and SAL-2040)
SAL-2090	SAL-2090	Portable radio interface | for Harris two-way radio models: P7300, P5500, P5400, P5300, XG-75
SAL-2100	SAL-2100	Portable radio interface | for Harris/MaCom two-way radio model P7100pi
SAL-2110	SAL-2110	Portable radio interface | TAIT/Harris model TP-9400
ACCESSORIES		
SAL-2010KT	SAL-2010KT	Portable radio interface cable kit | Includes (1ea. SAL-2020, SAL-2030 and SAL-2040)
SAL-2020	SAL-2020	Interface cable | Provides SAL-7000 interface to: XTS 5000, XTS 3500, XTS 3000, XTS 2500, XTS 1500, PR 1500 and MT 1500 radios
SAL-2030	SAL-2030	Interface cable | Provides SAL-7000 interface to: XPR 7000, XPR 6300, XPR 6500, XPR 6000, APX 7000, APX 6000, APX 6000XE, APX 7000L, APX 7000XE, SRX 2200, APX 1000, APX 4000, APX 8000XE, APX 8000, APX 3000

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EDMO#	MFR#	DESCRIPTION
SAL-2040	SAL-2040	Interface cable | Provides SAL-7000 interface to: EX 600, EX 500, EX 560-XLS, EX 600-XLS
SAL-2050	SAL-2050	Interface cable | Provides SAL-7000 interface for HT1250
SAL-2060	SAL-2060	Interface cable | Provides 6-pin standard pin-out to connect to U-283/U
SAL-2070	SAL-2070	Interface cable | Provides 5-pin standard pin-out to connect to U-183/U
SAL-2080	SAL-2080	Cellphone interface cable | 4-conductor
SAL-2080BT	SAL-2080BT	Cellphone Bluetooth interface
SAL-50-24	SAL-50-24	Comm Cord | two straight cable, TJ-101 and MS3126F10-6P connectors

DIGITAL AUDIO CONTROL SYSTEM (DACS)

CANYON AEROCONNECT



Left to right: ACP51, RM01, AMU50,, ACP53

The Digital Audio Control System (DACS) is a communications management system that distributes and controls all aircraft audio between transceivers, receivers, and audio warning sources. This integrated, multi-channel intercom system can be configured to the operator's communication schemes using the programmable user definition capabilities. The components of the system include the audio control panels (ACP51 or ACP53), audio management unit (AMU50), and the remote memory (RM01). The audio management unit is the system's primary component and it can be connected to up to eight transceivers and receivers, up to six direct audio inputs and audio control panels. The audio management unit distributes all radio audio to each user and can be connected to up to seven headsets (standard configuration is two crew and five passengers, but any passenger headset can be assigned to an ACP to upgrade the passenger to a crew member with full capabilities).

COMPONENTS

The ACPs are essentially terminals that monitor switch selections and provide system power to status indicators while communicating with the audio management unit; ACPs are available in two packages, one for flight crews (transceiver audio and receiver audio controls) and one for cabin crew/mission specialists (transceiver audio controls only). All radio legends for the ACP5x units are "snap-in" type for easier installation. The audio management unit is connected to all audio input devices and it completes all audio processing. The RM01 is a remote memory unit for DACS, a small, remote-mounted device that connects to the AMU50 via a digital bus; this device stores the system's configuration and aural alert files (remotely) which allows the AMU50 to be replaced as needed without the need to reconfigure the replacement unit.

- The DACS provides six direct (unswitched) audio inputs that are fixed gain type, but can be adjusted using the configuration management software (inputs are configurable using the DACS configuration management software)
- DACS includes an integrated aural alert generator that provides eight tone/voice warnings with multiple levels of priority (configuration software allows the customer to load their own warning/alert messages as .wav files)
- The system configuration is defined and loaded using a computer and DACS DevCS (device configuration software); this includes the number of radios, number and type of users, headset impedances, number of ACPs, number and type of user associated with each ACP, VOX control for the passengers, input/output levels for the transceivers and receivers

Weight:	1.01 lb max. (ACP51) 1.76 lb max (ACP53) 4.11 lb max. (AMU50) 0.09 lb max. (RM01)
Dimensions:	2.62 × 5.75 × 2.25 in (ACP51) 2.62 × 5.75 × 3 in (ACP53) 11 × 7.48 × 2.23 in (AMU50) 1.69 × 2.21 × 0.71 in (RM01)
Power:	27.5 VDC, 2.5 A, nominal
Direct audio inputs:	6 inputs, fixed audio output levels 1 to 15 Vrms input range, 600Ω input impedance
MIC inputs:	7 inputs, 3 impedances selectable: 5Ω (250 µVRMS), 75Ω (850 µVRMS) or 150Ω
Headset outputs:	7 outputs, 3 impedances available: 8Ω (250 mW), 150Ω (mW), 600Ω (250 mW)
Radio audio inputs:	16 inputs, 1 to 20 VRMS inputs range 600Ω input impedance
Radio mic outputs:	8 outputs, 50 mVrms to 1 Vrms output range <60Ω output impedance
Radio PTT outputs:	8 outputs, Active Lo
CVR outputs:	2 CVR outputs, one for pilot and one for co-pilot, <600Ω output impedance, 500 mVrms output
Aural warnings:	8 internal alerts, messages are .WAV files, assigned by NAT configuration management software Can be active Hi or Lo
DF blanking output:	1 blanking output, Active Lo
Music inputs:	2 inputs, 2 input ranges – 400 mVrms or 2.5 Vrms 1000Ω input impedance
ACP/AMU protocol:	RS-422
Lighting:	5/28 V standard, 5 V (optional), NVIS compliant versions (optional)
Compliance:	TSO-C139–aircraft audio systems and equipment DO-214, Class lb, DO-178B, Level C ETSO-C50c–audio selector panels and amplifiers DO-214, Class lb DO160E Env. Cat.[(A4)(D1)]-BBB[(SBM)(U2FF1)]XXXXXXZZAZ[ZC][RR] H[A3J33]XXXX

EDMO#	MFR#	DESCRIPTION
ACP51 –TYPICALLY FOR BACKSEAT CREW		
ACP51-100	ACP51-100	NVIS green "A" lighting | 5V/28V supported
ACP51-101	ACP51-101	Blue & white non-NVIS lighting | 5V/28V supported
ACP51-102	ACP51-102	NVIS green "B" lighting | 5V/28V supported
ACP53 – TYPICALLY FOR COCKPIT CREW		
ACP53-000	ACP53-000	Blue & white non-NVIS lighting | 5V/28V supported
ACP53-001	ACP53-001	NVIS green "B" lighting | 5V/28V supported
ACP53-002	ACP53-002	NVIS green "A" lighting, 8TX/8RX | Requires 16 legends
ACP53-003	ACP53-003	NVIS green "B" lighting, 8TX/8RX | Requires 16 legends
ACP53-600	ACP53-600	NVIS green "B" lighting, vertical | 5V/28V supported
ACP54 SAME AS ACP53 EXCEPT HAS 7TX CONTROLS		
APC54-001	ACP54-001	NVIS green "B" lighting, 7TX volume controls
INSTALLATION KIT		
ACP50-IKC	ACP50-IKC	ACP5X crimp kit

EDMO#	MFR#	DESCRIPTION
AMU50 AUDIO MANAGEMENT UNIT		
AMU50-001	AMU50-001	Digital audio management unit
ACCESSORIES		
ERU50-001	ERU50-001	Emergency relay unit for DACS audio
AMU50-IKC	AMU50-IKC	AMU50-IKC crimp install kit
ERU50-IKC	--	Installation kit for ERU50
RM01 REMOTE MEMORY MODULE		
RM01-001	RM01-001	Remote memory module for DACS
ACCESSORIES		
RM01-IKC	RM01-IKC	RM01 crimp installation kit

DACS PASSENGER ICS AMPLIFIER

CANYON AERONNECT



The PIA01 is a Passenger Intercom Amplifier designed for use with digital audio communication systems (DACS). It is a remote mounted unit that connects up to 12 passengers (six headset connections on the PIA, each supporting two headsets in parallel, if desired) to the DACS. The PIA01's capabilities can be expanded via an analog or digital ICS tie line connection. The PIA01 may be configured for multiple customized applications; it can support one of three microphone impedances and one of three headphone impedances and the microphone and headphone impedances selected apply to all users on the system. This unit is generally used as a component of a digital audio communications system (DACS). In this configuration, the unit is connected to the audio management unit (AMU) using a digital ICS tie line connected to a serial data port. When used as a part of the DACS, the PIA01 system parameters may be configured using a PC connected to the AMU.

Weight:	1.65 lb
Dimensions:	7.95 x 6.65 x 1.35 in
Input power:	Input current: 2.0 A maximum @ 28 VDC Nominal: 28 VDC Maximum: 30.3 VDC Minimum: 22 VDC Emergency: 18 VDC
Altitude:	50,000 ft

EDMO#	MFR#	DESCRIPTION
PIA01-001	PIA01-001	DACS passenger ICS amplifier
INSTALLATION KIT		
PIA01-IKC	PIA01-IKC	PIA01 crimp installation kit

DACS ACCESSORIES

CANYON AERONNECT

ACP LEGEND KITS

The ACPLK Series snap-in legend kits are for use with digital audio control systems (DACS) ACP51 and ACP53. These legends allow OEMs and installers to order ACPs and then be able to customize the radio text to best suit the com/nav package to the aircraft.

EDMO#	MFR#	ACP LEGENDS INCLUDED
ACPLK-001	ACPLK-001	(4 ea.) blank legends and (1 ea.) VHF1, VHF2, TAC1, TAC2, TAC3, TAC4, TAC5, PA, NAV1, NAV2, DME, MKR, ADF, AUX1, AUX2, AUX3
ACPLK-002	ACPLK-002	(6 ea.) blank legends and (1 ea.) VHF1, VHF2, FM1, FM2, POLY, GSM, MPC, SPKR, NAV, NAV1, NAV2, DME1, DME2, MKR, MKR1, MKR2, ADF
ACPLK-004	ACPLK-004	(3 ea.) blank legends and (1 ea.) DF, DME1, DME2, FM1, GSM, MKR1, MKR2, NAV1, NAV2, PA, POLY, SAT, TAC1, TAC2, TAC3, TAC4, VHF1, VHF2, VUHF
ACPLK-008	ACPLK-008	800, AUX1, COM1, COM2, FM1, FM2, FM3, FM4, LVHF, MKR, NAV1, NAV2, PHN, SAT, UHF, VHF for use with DACS ACP53
ACPLK-009	ACPLK-009	800, AUX1, COM1, COM2, DPLR, FM1, FM2, FM3, FM4, LVHF, PHN, SAT, UHF, VHF
ACPLK-016	ACPLK-016	ARC1, ARC2, UHF, VHF1, VHF
ACPLK-023	ACPLK-023	AUX, COM1, COM2, COM3, COM4, COM5, NAV1, NAV2, NAV3, NAV4, NAV5
ACPLK-031	ACPLK-031	(1 ea.) ADF, AUX1, AUX2, AUX3, DME1, DME2, HF, LRN, MKR2, MPC, NAV1, NAV2, PA, SAT, VHF1, VHF2
ACPLK-601	ACPLK-601	ADF, DME1, DME2, MKR1, MKR2, NAV1, NAV2, PA, PVT1, PVT2, PVT3, TCN, THR1, THR2, UHF, VHF
ACPLK-602	ACPLK-602	(1 ea.) ADF, AUX1, AUX2, AUX3, DME, MKR, NAV1, NAV2, PA, TAC1, TAC2, TAC3, TAC4, TAC5, VHF1, VHF2

HORIZONTAL LEGEND CAPS



55-06-AUX1

The 55-06-xxxx horizontal snap-in legends are for use with digital audio control systems (DACS) ACP51, ACP53, and N301A-2xx/3xx. These legends allow OEMs and installers to order ACPs and then be able to customize the radio text to best suite the com/nav package to the aircraft. These are all existing defined legend caps. If a label is needed that does not yet exist, a new legend cap can be created. Typically a set up fee applies and the lead time is longer.

55-06- SERIES HORIZONTAL LEGEND CAPS				
BLANK	7800	800	A	ABC1
ABC2	ADF	ADF1	ADF2	AIR
AM	ARC1	ARC2	ASP	AUX
AUX1	AUX2	AUX4	AUX5	B
BSKY	C	CELL	COM1	COM2
COM3	COM4	COM5	COM6	COM7
CSS1	CSS1	D	DF	DME
DME1	DME2	DPLR	DSC	DVR
ECOM	EXP	FLX1	FLX2	FM
FM1	FM2	FM3	FM4	FMLO
FONE	GPS	GSM	HF	HF1
HF2	HFST	HTV	LINK16	LOJK
LOUD	M/JVC	MAR	MKR	MKR1
MKR2	MOTO	MWTX	NAV	NAV1
NAV2	PA	PHN	RALT	RES1
RES2	RES3	ROPS1	ROPS2	ROPS3
SAR	SAT	SAT1	SAT2	SATC
SCN1	SCN2	SCN3	SCN4	SRN
TAC1	TAC2	TAC3	TACAN	TAL
TAWS	TCAD	TCAS	TCN	TETRA
UHF	UHF1	UHF2	UTAC	VHF
VHF1	VHF2	VHF3	VHI	VLO
VOIP	VOR	VOR1	VOR2	VTAC
VUHF	VUHF1	VUHF2	XM	

See edmo.com for the full list of available legends.

VERTICAL LEGEND CAPS



55-07-NAV2

The 55-07-xxxx vertical snap-in legends are for use with digital audio control systems (DACS) ACP51, ACP53, and N301A-2xx /3xx. These legends allow OEMs and installers to order ACPs and then be able to customize the radio text to best suite the com/nav package to the aircraft. These are all existing defined legend caps. If a label is needed that does not yet exist, a new legend cap can be created. Typically a set up fee applies and the lead time is longer.

55-07- SERIES VERTICAL LEGEND CAPS				
BLANK	ADF	ADF1	ADF2	AUX1
AUX2	AUX3	AUX4	COM1	COM2
DF	DME	DME1	DME2	FM1
FM2	FM3	FM4	FONE	HF
HFST	LNK16	MKR	MKR1	MKR2
NAV1	NAV2	PA	TAC1	TAC2
TAC3	TAC4	TAC5	UHF	VHF1
VHF2				

See edmo.com for the full list of available legends.

HANDHELD RADIOS

IRIDIUM® NETWORK SATELLITE PTT HANDHELD RADIO

ICOM AMERICA INC.
EDMO#: IC-SAT100
MFR#: SAT100



The ICOM SAT100 handheld satellite radio allows users around the world to communicate with a group of PTT radios at the push of a button. Utilizing the Iridium® satellite network, the PTT (Push-To-Talk) two-way radio system is capable of wide-area global communication anywhere on the planet, including both the North and South poles. This network allows the SAT100 in remote, isolated areas without mobile phone or landline network infrastructure or if terrestrial network infrastructure is rendered unusable. Unlike other satellite phones, the SAT100 can talk with radios in the same talkgroup immediately in real-time with very low latency communication.

- Ready for harsh environments; water, shock, and dustproof with MIL-STD 810G and IP67 waterproof rating
- Operates 100% of the globe
- Built-in emergency key
- Secure communications with AES encryption
- Short Data Message function
- Voice recording function
- Talkgroup Scan
- Priority Interrupt Calling
- Vibration Alert
- Built-in Bluetooth® and GPS Receiver
- Compatible with other Iridium® PTT devices

Weight:	12.7 oz (with BP-300 and antenna)
Dimensions:	2.3 x 5.3 x 1.3 in
Display Viewing area:	1.3 x 1.1 in
Speaker Output power:	Internal: 1500 mW, typical (@ 5% distortion into an 8Ω load) External: 1000 mW, typical (@ 5% distortion into an 8Ω load)
Battery Life:	14.5 hr, (approximate)
Talkgroup:	15 groups (maximum)
Antenna Connector:	SMA
Operating Temperature:	-30°C to 60°C
Includes:	BP300 battery pack, BC241 desktop charger, BC242 AC adapter, FAS102U antenna, MBB5 belt clip

F1000 ANALOG VHF/UHF PORTABLE RADIO

ICOM AMERICA INC.
EDMO# F1000 RC
MFR# F1000 RC/IC-F1000



The F1000 VHF/UHF portable radio is the go-to radio that provides simple operation while fitting comfortably in the user's hand. Designed for rugged work environments, the F1000 series features a built-in motion sensor that detects a worker's movement, channel announcement, and a waterproof and dustproof chassis.

- Programmable man-down and lone-worker functions
- Built-in 2-tone, 5-tone, CTCSS, and DTCS for group communication and selective calling
- Programmable PTT ID, emergency (TX/RX), radio check (RX), and stun/revive (RX)
- Built-in voice scrambler
- 8 DTMF autodial memories
- "Shift key" function increases number of programmable key assignments
- Surveillance function

Weight:	8.5 oz (240 g)
Dimensions:	2.1 x 4.4 x 1 in (5.2 x 111.8 x 24.5 mm)
Frequency coverage:	136–174 MHz
Channel spacing:	12.5 kHz, 15/30 kHz
Number of channels:	16
Power supply requirement:	7.5 VDC
Current drain:	Tx: 1.3 A Rx: 500 mA / 77 mA (max. audio / standby)
Antenna Impedance:	50Ω
Output power (Tx):	5W, 2W, 1W (Hi, L2, L1)
Operating Temperature:	-22°F to 140°F
Includes:	BP-279 lithium-ion battery pack, FA-SC55V antenna, BC-213 desktop battery charger

F2000 UHF PORTABLE TWO WAY RADIO

ICOM AMERICA INC.
EDMO# IC-F2000T
MFR# F2000T



The F2000T is a sleek portable radio that fits nicely in your hand and is designed to be the go-to for entry-level to mid-level radio. This model features a full-display and fully DTMF keypad. It also includes an array of features such as a built-in motion sensor, channel announcement function, and a rugged, waterproof, and dustproof chassis.

- 1500 mW large volume audio from an ICOM custom speaker
- Improved sound clarity
- Compact and lightweight
- IP67 waterproof and dust-tight protection
- Tested to 12 categories of MIL-STD-810-G environmental tests
- DTMF autodial memories
- 16-position rotary selector and ON/OFF volume knob
- "Shift key" function increases number of programmable key assignments
- Up to 14 hours of operating time with the supplied BP-279 battery pack
- Eight-character alphanumeric display
- Three-color LED

Weight:	8.5 oz (240 g)
Dimensions:	2.1 x 4.4 x 1 in (5.2 x 111.8 x 24.5 mm)
Frequency Coverage:	450–512 MHz
Channel Spacing:	12.5 kHz, 15/30 kHz
Number of Channels:	128 channels/8 zones
Power Supply Requirement:	7.5 VDC
Current Drain:	TX: 1.3A RX: 500 mA/80 mA (max audio (internal SP)/Standby)
Antenna Impedance:	50Ω
Output Power (Tx):	4 W, 2 W, 1 W (Hi, L2, L1)
Operating Temperature:	-22°F to 140°F
Includes:	BP-279 lithium-ion battery pack, FA-SC55V antenna, BC-213 desktop battery charger, AC adapter, MB-133 belt clip

F3001/F4001 VHF/UHF HANDHELD RADIO

ICOM AMERICA INC.



ICOM's F3001/F4001 VHF handheld radio has very few, generously sized knobs and buttons, providing easy operation without special training. The simplified interface is ideal in industries with high turnover environments, such as shiftwork, where the radio is passed from one worker to another. The F3001/F4001 series is designed to meet the requirements of schools, retail, golf courses, community centers, and others who need basic radio needs. This 16-channel radio provides five-watt VHF and four-watt UHF frequency coverage from 138 MHz to 176 MHz or 450 MHz to 512 MHz.

- VOX capability provides hands-free operation
- 2-Tone, 5-Tone, CTCSS, DTCS, and MDC1200 PTT ID & emergency signaling
- Provides priority scan, DTMF autodial, low battery alert, talkaround function, 2-step power save, enhanced emergency, surveillance function, timeout timer, lone worker function, and a three-color LED display

Weight:	9.4 oz
Dimensions:	2.28 x 4.38 x 1.41 in (with BP-265)
Frequency Coverage:	F3001: 136–174 MHz (Tx and Rx) F4001: 400–512 MHz (Tx and Rx)
Channel Spacing:	12.5 kHz, 15/30 kHz
Number of Channels:	16 total
PLL Channel Step:	2.5 kHz, 3.125 kHz (VHF)
Power Supply Requirement:	7.2 VDC (nominal)
Current Drain:	Tx: 1.25 A (high) Rx: 70 mA (stand-by) / 250 mA (rated audio)
Output Power (Tx):	5 W, 2W or 1W (Hi, L2, L1) 4 W, 2W or 1W (Hi, L2, L1)
Operating Temperature:	-22°F to 140°F
Includes:	BP265 battery pack, Antenna, MB124 belt clip, BC193 battery charger

EDMO#	MFR#	DESCRIPTION
F3001 03RC	F3001 03RC	VHF Handheld Transceiver Radio | 136–174 MHz
F4001 03RC	IC-F4001 03RC	UHF Handheld Transceiver Radio | 400–512 MHz

F3400DS DIGITAL VHF TWO WAY HANDHELD RADIO

ICOM AMERICA INC.
EDMO#: F3400DS
MFR#: F3400DS



The F3400DS series IDAS handheld radio incorporates cutting-edge design, superb performance, and a comprehensive range of features. This compact VHF radio covers the 136-174 MHz frequency range and has a high-resolution LCD screen.

- ANC (Active Noise Cancelling) Technology
- Digital Voice Recording
- Built-in GPS Receiver
- Small, Slim, Compact Body
- Waterproof, Dust-tight with AquaQuake™ Function
- Motion/stationary detection sensors
- Built-in Bluetooth®
- Vibration Alert
- OTAP and OAA
- DES/AES encryption with OTAR
- Transparent Data Modem Facility
- USB Port for PC Connection

Weight:	10.8 oz
Dimensions:	2.1 x 4.9 x 1.2 in
Frequency Coverage:	136–174 MHz
Number of Channels:	1024
Number of Zones:	128
Power Supply Requirement:	7.5 VDC
Antenna Impedance:	50Ω

PA/SIREN SYSTEMS & CABIN PAGING

AA20/AA21 PA/SIREN CONTROLLERS

ANODYNE ELECTRONICS MFG CORP



AA20-431

The AA2x PA/siren controllers are used for internal passenger address systems and external public address/siren systems. The various models offer different options including remote or panel-mounted keying front panel power switch and LED, and high and low level inputs.

The AA20-431 is a self-contained PA controller with a medium output power amplifier (25-30 W) that provides auto-chime plus both speaker and phone outputs. The AA21-400 controllers provide both internal and external PA and/or siren control and are compatible with AEM LSA PA siren systems.

- Self-contained 35-watt amplifier provides excellent passenger address capabilities or ramp hailer
- Additional control lines are provided to interface with PA amplifiers for high output PA/siren
- Dzus rail mounted

Weight:	1.3 lb
Dimensions:	5.75 x 1.11 x 6.83 in
Power:	2.0 A / 28 VDC (AA20-431) 2.3 A / 28 VDC (internal amp); 0.4 A / 28 VDC (external amp) (AA21-400)
TSO C50c:	RTCA DO-170 Class II DO-160C (AA20-431) RTCA DO-170 Class II DO-160D (AA21-400)

EDMO#	MFR#	DESCRIPTION
AA20-431	AA20-431	Three-tone chime, mode select, PA/music, 30W output into 8Ω, 80 mW max. into 600Ω, PA/ seatbelt, no smoking keys-active low, message key-active high supports up to 8 headsets
AA21-400	AA21-400	Mode select, PA/music, 35 W max. output into 8 ohm, 6.5 VRMS max. into 600 ohm, PA key—active low; PA110/PA220/PA250/PA700 outputs; radio input 2.5 VRMS into 1kΩ
INSTALLATION KIT		
AA20-IKC	D25SL-IKC	Crimp kit installation kit
EDI-20C	--	Crimp installation kit
D25SV-IKC	D25SV-IKC	Crimp install kit for use with AA21-400

LSC22 SERIES LOUD SPEAKER / SIREN CONTROLLER

ANODYNE ELECTRONICS MFG CORP



LSC22-001

The LSC22 Series Loud Speaker/Siren Controllers surpass the capabilities of preceding models of siren controllers by providing an enhanced degree of centralized control over an aircraft's internal and external loud speaker systems. It is compatible with AEM's LSA series loud speaker amplifiers and legacy AEM PA equipment.

The LSC22 provides on-board digital storage for recording up to three messages that can be broadcast through the loudspeaker system. A front panel AUX input allows the user to broadcast recorded messages from an MP3 player or smart phone. These two features allow for broadcasting voice only—eliminating cockpit noise inherent in live microphone broadcasting.

- Optional NVG lighting available

Weight:	1.1 lb
Dimensions:	6.32 x 5.77 x 1.11 in
Certification:	Environmental Qualification: DO-160G Performance Spec: DO-214

EDMO#	MFR#	DESCRIPTION
LSC22-001	LSC22-001	LSC22 | Standard white lighting
LSC22-001N	LSC22-001N	LSC22 | NVIS lighting
INSTALLATION KIT		
LSC22-IKC	LSC22-IKC	Installation kit for LSC22-001 and LC-001N

LSA LOUD SPEAKER AMPLIFIERS

ANODYNE ELECTRONICS MFG CORP



LSA150-001

The Next Generation Loud Speaker Amplifier (LSA) from AEM is a compact, lightweight, Class D amplifier that provides excellent sound quality and output while using much less power compared to previous versions. The unit's "smart power supply" modifies the amplifier output to meet the output load demand. Output power ranges from 150 Watts to 1760 Watts depending on the size of the system.

- Equipped with four audio inputs including one microphone, two single-ended inputs, and one differential audio input; each input has a field adjustable gain level to optimize speaker output power for various input signal levels
- Amplifier status annunciators for the protection circuits and user-accessible audio input adjustments are displayed externally near the D-sub connectors

EDMO#	MFR#	DESCRIPTION
LOUD SPEAKER AMPLIFIERS		
LSA100-100	LSA100-100	6x20-watt output cabin speaker amplifier
LSA150-001	LSA150-001	150-watt loud speaker amplifier
LSA300-001	LSA300-001	300-watt loud speaker amplifier
LSA400-001	LSA400-001	600-watt loud speaker amplifier
LSA800-001	LSA800-001	1200-watt loud speaker amplifier
INSTALLATION KITS		
LSA100-IKC	LSA100-IKC	Installation kit | LSA100-100
LSA400-IKC	LSA400-IKC	Crimp installation kit | LSA400 series
LSA400-IKS	LSA400-IKS	Solder installation kit | LSA400 series

LS SERIES LOUD SPEAKERS

ANODYNE ELECTRONICS MFG CORP



LS300-200

AEM's LS Series loud speakers are high output power, 300 and 600-watt loud speakers for use in air-to-ground, air-to-sea or ground- to-ground audible communication systems. These speakers are intended for use with the LSA400 or LSA800 series power amplifiers.

- Available in a single, double, or triple bell configuration
- Updated speaker drivers provide better conversion of electrical power (watts) to sound pressure (SPL)
- Field replaceable driver assembly and mechanical parts
- Improved mechanical design and updated speaker drivers

Weight:	15 lb (LS300-200) 28 lb (LS600-200)
Dimensions:	12.8 x 6.6 x 10.3 in (LS300-200) 12.8 x 13.2 x 10.3 in (LS600-200)
Rated peak power:	440 watts peak (LS300-200) 600 watts peak (LS600-200)
Approvals:	DO-160G qualified

EDMO#	MFR#	DESCRIPTION
LS300-100	--	300W RMS - 440W peak | Internal mount speaker
LS300-200	LS300-200	300W RMS - 440W peak | External mount speaker
LS300-201	LS300-201	300W RMS - 440W peak | External mount & Mil-Spec connectors
LS600-200	LS600-200	600W RMS - 880W peak | External mount speaker
LS600-201	LS600-201	600W RMS - 880W peak | External mount speakers & Mil-Spec connectors
ACCESSORIES		
AS SPKRMT	AS2016025108	Loud speaker mounting bracket | LS300-200 & LS600-200
INSTALLATION KITS		
LS201-IKC	LS300-201-IKC	Mil-Spec installation kit | LS300-201 & LS600-201
LS300-IK	LS300-IK	Installation kit | LS300 & LS600 speakers

LS150 CABIN SPEAKER

ANODYNE ELECTRONICS MFG CORP
EDMO# LS150-001
MFR# LS150-001



The LS150 is a powerful 150W cabin speaker designed for high-noise environments. When combined with the LSA800 loudspeaker amplifier four or six LS150-001 Cabin Speakers can be combined to help meet the operational requirements of cabin PA systems in extreme-noise environments. Simple interface with the aircraft's existing audio and communication system allows the cockpit and cabin crew members to efficiently and effectively broadcast messages to the passengers. The LS150 Cabin Speaker works with LSA400 and LSA800 amplifiers to create systems with peak audio output power levels from 600-1800W.

- DO-160G and MIL-STD qualified
- Water resistant cone
- In/out wiring interface for easy system configuration

Weight	4.1 lb
Dimensions	3.5 x 7 x 9 in

TS SERIES SIREN/PA SPEAKERS

ANODYNE ELECTRONICS MFG CORP



TS150

The TS Series PA speakers are lightweight, high output power loudspeakers for use in air-to ground and air-to-sea audible communication systems. The driver assembly and mechanical parts can be replaced in the field. The TS series is available in multiples of two bells and are designed for use with AEM's 150W, 250W, 300W, 400W, 700W, and 850W PA series audio amplifiers.

- The TS150 and TS300 loudspeakers are the most recent additions to the TS series and feature 150 watt drivers.

EDMO#	MFR#	DESCRIPTION	FOR USE WITH
TS150	TS150	150-watt compact loudspeaker	PA110, PA220, LSA150
TS300	TS300	300-watt compact loudspeaker	PA250, LSA300
ACCESSORIES			
20-37-801	20-37-801	2-pin, male bulkhead connector	TS100

LSS LOUDSPEAKER SYSTEMS

ANODYNE ELECTRONICS MFG CORP

LSS220



Components: LSC22 Series PA Controller, LSA150 Series Loud Speaker Amplifier, and TS150 Series Speaker

- Front-mount auxiliary input on the LSC22 allows message transmission from an MP3 player or smartphone
- Convenient onboard digital storage for fast recording and playback
- Optimized audio signal with less DC power demand than its predecessor
- Applicable for both internal and external aircraft applications

Weight:	1.3 lb (LSC22) 3.7 lb max (LSA150) 5.5 lb (TS150)
Dimensions:	1.11 x 5.74 x 6.32 in (LSC22) 5.45 x 2.04 x 9.8 in (LSA150)
Input power / frequency:	150W RMS / 275–8000 Hz (TS150)
Certification:	DO-160G qualified

LSS440 COMPACT



Components: LSC22 Series PA Controller, LSA300 Loudspeaker Amplifier, and TS150 or TS300 Speakers

- Front-mount auxiliary input allows message transmission from an MP3 player or smartphone
- Convenient onboard digital storage for fast recording and playback
- Amplifier processes and optimizes the audio signal for the best output with much less power
- Powerful speaker broadcast capability with minimal installation provision

Weight:	1.3 lb (LSC22) 3.7 lb max (LSA300) 5.5 lb (TS150) / 9.4 lb (TS300)
Dimensions:	1.11 x 5.74 x 6.32 in (LSC22) 5.45 x 2.04 x 9.8 in (LSA300)
Input power / frequency:	150W RMS / 275–8000 Hz (TS150) 300W RMS / 275–800 Hz (TS300)
Certification:	DO-160G qualified

LSS440



Components: LSC22 Series PA Controller, LSA400 Loudspeaker Amplifier, and LS300 Series Loudspeaker

- Front-mount auxiliary input allows message transmission from smartphones
- Convenient onboard digital storage for fast recording and playback
- Processes and optimizes the audio signal for the best audio output
- Over 400W of effective, peak audio output power
- Optional NVIS compatible lighting

Weight:	1.3 lb (LSC22) 3.7 lb max (LSA400) 15 lb (LS300)
Dimensions:	1.11 x 5.74 x 6.32 in (LSC22) 5.45 x 2.04 x 9.8 in (LSA400) 10.3 x 6.6 x 12.8 in (LS300)
Certification:	DO-160G & DO-214

LSS880



Components: LSC22 Series PA Controller, LSA400 Loudspeaker Amplifier, and LS600 Series Loudspeaker

- Front-mount auxiliary input allows message transmission from an MP3 player or smartphone
- Convenient onboard digital storage for fast recording and playback
- Processes and optimizes the audio signal for the best audio output
- Over 880W of effective, peak audio output power
- Optional NVIS compatible lighting

Weight:	1.3 lb (LSC22) 3.7 lb max (LSA400) 28 lb each (LS600)
Dimensions:	1.11 x 5.74 x 6.32 in (LSC22) 5.45 x 2.04 x 9.8 in (LSA400) 10.3 x 13.2 x 12.8 in (LS600)
Certification:	DO-160G & DO-214

LSS1320



Components: LSC22 Series PA Controller, LSA800 Loudspeaker Amplifier, and (1) LS300 and LS600 Series Loudspeakers

- Front-mount auxiliary input allows message transmission from an MP3 player or smartphone
- Convenient onboard digital storage for fast recording and playback
- Processes and optimizes the audio signal for the best audio output
- 1320W+ of effective, peak audio output power
- Optional NVIS-compatible lighting

Weight:	1.3 lb (LSC22) 6.3 lb max (LSA800) 15 lb (LS300) | 28 lb each (LS600)
Dimensions:	1.11 x 5.74 x 6.32 in (LSC22) 5.51 x 3.74 x 9.86 in (LSA800) 10.3 x 6.6 x 12.8 in (LS300) 10.3 x 13.2 x 12.8 in (LS600)
Certification:	DO-160G & DO-214

LSS1760



Components: LSC22 Series PA Controller, LSA800 Loudspeaker Amplifier, and (2) LS600 Series Loudspeakers

- Front-mount auxiliary input allows message transmission from smartphones
- Convenient onboard digital storage for fast recording and playback
- Processes and optimizes the audio signal for the best audio output
- 1760W+ of effective, peak audio output power
- Optional NVIS-compatible lighting

Weight:	1.3 lb (LSC22) 6.3 lb max (LSA800) 28 lb each (LS600)
Dimensions:	1.11 x 5.74 x 6.32 in (LSC22) 5.51 x 3.74 x 9.86 in (LSA800) 10.3 x 13.2 x 12.8 in (LS600)
Certification:	DO-160G & DO-214

LIGHTWEIGHT SPEAKER DRIVER

ANODYNE ELECTRONICS MFG CORP
EDMO# SDL-A01
MFR# SDL-A01

SDL-A01 is 100W lightweight speaker driver with an 8Ω impedance and 4.5 inch diameter. This is a replacement driver for the TS100WR & TS200WR.



Diameter:	4.5 in
Power rating:	100W
Impedance:	8Ω
Color:	Black

PA AUDIO AMPLIFIER

POWER SONIX

This PA amplifier is designed to operate with airborne PA speakers from Power Sonix in both helicopter and fix-wing aircraft. This amplifier can be installed anywhere in the aircraft.

- 600 or 1,200 watt output power
- Works with the PSAIR12 & PSAIR22 series speaker array systems
- Designed for helicopter and fixed-wing aircraft



PSAMP600N



PSAMP1200N

Weight:	5.5 lb (2.5 kg)
Dimensions:	6.25 x 10.25 x 2.2 in (15.9 cm x 26 cm x 5.59 cm)
Input Voltage:	24 — 32 VDC
Current:	50 A rms (max)
Overload Protection:	60 A rms (shutdown)
Sensitivity:	1 Vrms @ 1 KHz
DC-DC Converter:	5 VDC, output isolated
Frequency Response:	400 Hz — 4,500 Hz
Output Impedance:	0.05 Ω
Total Harmonic Distortion:	< 1%
Gain:	52 dB
Efficiency:	95%
Operating Temperature:	-40°F to 122°F (-40°C to 50°C)

EDMO#	MFR#	DESCRIPTION
PSAMP600N	PSAMP600N	600 W PA Audio Amplifier
PSAMP1200N	PSAMP1200N	1,200 W PA Audio Amplifier
CONNECTOR KITS		
PS-CON600N	PS-CONN-600N	PSAMP600 Series Amplifier Connector Kit
CONN-1200J	PS-CONN-1200J	PSAMP1200 Series Amplifier Connector Kit
SPEAKER CABLES		
CBL-SPK10A	PSCBL-SPK-10A	10ft Power Sonix Amplifier to SPK-300 Speaker Cable
PSCBL-DC10	PSCBL-DC-10	10ft DC Power Source to Amplified Speaker Array Cable

AMPLIFIED SPEAKER ARRAY

POWER SONIX



PSAIR12N



PSAIR22N



PSAIR42N

Power Sonix Amplified Speaker Arrays deliver high-powered, clear speech projection in a lightweight, aerodynamic design. Engineered for various aircraft sizes, these systems provide up to 1,200 watts of acoustic power while minimizing weight, drag, and mounting space. Whether for UAVs, single-engine planes, or twin-engine helicopters, Power Sonix ensures effective communication even in high-noise environments.

- 300, 600, or 1,200 watt output power
- Compatible with most cockpit audio controllers
- High-Efficiency Class D amplifier
- Input prerecorded messages, emit siren sounds or talk live
- Remote control option with Technisonic A710/A711 audio controller
- External remote control compatible

Weight:	PSAIR12N: 14 lb PSAIR22N: 24 lb PSAIR42N: 52 lb
Dimensions:	PSAIR12N: 13.75 x 9.75 x 9.75 in PSAIR22N: 13.75 x 9.75 x 12.75 in PSAIR42N: 15.25 x 15.25 x 15.5 in
Wattage:	PSAIR12N: 300W PSAIR22N: 600W PSAIR42N: 1200W
Range at 70 dB:	PSAIR12N: 0.75 mile PSAIR22N: 1.00 mile PSAIR42N: 1.25 mile
SPL @ 1m:	PSAIR12N: 135 dB PSAIR22N: 138 dB PSAIR42N: 141 dB
Max Current Draw:	PSAIR12N: 10 A PSAIR22N: 20 A PSAIR42N: 40 A

EDMO#	MFR#	DESCRIPTION
PSAIR12N	PSAIR12N	300W Single-Horn Amplified Speaker Array | Hexagon Enclosure
PSAIR22N	PSAIR22N	600W Dual-Horn Amplified Speaker Array | Hexagon Enclosure
PSAIR42N	PSAIR42N	1200W 4-Horn Amplified Speaker Array | Fortified Enclosure (2x2)
CONNECTOR KITS		
PS-CONNKIT	PS-CONN-KIT	Power Sonix Speaker Connector Kit For PSAIR12/22/32/42
PS-CONN42N	PS-CONN-42N	PSAIR42N Airborne Speaker Connector Kit
CABLES		
PSCBL-DC10	PSCBL-DC-10	10ft DC Power Source to Amplified Speaker Array Cable
CBL-RCU-10	PSCBL-RCU-10	10ft Power Sonix Remote Control Cable
CBL-RCU10A	PSCBL-RCU-10A	10ft Power Sonix Remote Control Cable | Audio Panel to Amplified Speaker
SUPPORT PLATES & BRACKETS		
PSSUPRT-N	PSSUPRT-N	Power Sonix Support Plate For PSAIR12 & PSAIR22
PSBRKT12NU	PSBRKT12NU	Power Sonix Airborne Speaker Universal U-Bracket For PSAIR12
PSBRKT22NU	PSBRKT22NU	Power Sonix Airborne Speaker Universal U-Bracket For PSAIR22

300W A SERIES RECESSED SPEAKER ASSEMBLY

POWER SONIX

This 300 watt speaker assembly is used to configure A series, recessed speaker arrays, such as the PSAIR-series airborne PA systems.

- 300-watt power output
- Used to configure any "A" series airborne speaker array



PSAMP600N

Weight:	14 lb (6.4 kg)
Space Requirement for Amplified Speaker Array:	10.25 x 7.75 x 15.25 in (26 x 17.1 x 38.7 cm)
Power Output:	300 W, 400 W (boosted)
Current Draw:	10 A, 12.5 A (boosted)
Recommended Breaker Rating:	15 A
SPL @ 1m:	135 dB
Operating Range:	0.75 mi (1,200 m)

EDMO#	MFR#	DESCRIPTION
PS-SPK-300	PS-SPK-300	300W A Series Recessed Speaker Assembly
SPEAKER CABLES		
CBL-SPK10A	PSCBL-SPK-10A	10ft Power Sonix Amplifier to SPK-300 Speaker Cable

SPC-8 WEATHERPROOF PA SPEAKER

SPECO
EDMO# SPC-8
MFR# SPESPC8

The SPC-8 is a 5 inch aluminum weatherproof PA speaker. It offers a frequency response of 300 to 15 kHz and a 15 watt maximum power rating. It features a sensitivity of 105 dB with an impedance of 8 ohm. A mounting bracket is included.



Dimensions	5 in diameter & length
Frequency Response:	300-15,000 Hz.
Sensitivity:	105db/1w/1m
Power Rating:	15 watts max.
Impedance:	8 Ohm.

SPC-10 WEATHERPROOF PA SPEAKER

SPECO
EDMO# SPC10
MFR# SPESPC10

The SPC10 is a 6-inch weatherproof aluminum PA speaker horn and offers a frequency response of 250 to 15,000 Hz with a 10-watt RMS/15-watt maximum power rating. It features a 105 dB sensitivity and an 8Ω impedance. It includes a 12-inch lead wire. A speaker wire with a 3.5mm jack (sold separately) is needed to connect the SPC-10 PA horn to a CB radio or amateur radio.



Weight:	1.9 lb

*continued on next page

Dimensions	6 in diameter & length
Frequency Response:	250 Hz to 15 kHz
Sensitivity:	105dB/1w/1m
Power Rating:	15 watts max.
Impedance:	8 Ohm.

GROUND CREW CALL HORN FOR BOEING

WHELEN ENGINEERING CO, INC
EDMO# 7054400
MFR# 01-0770544-00



This ground crew call warning horn designed for Boeing and produces 108db (+10db, -3db) at a frequency of 25-20,000 Hz.

Weight:	0.65 lb (295 g)
Horn Diameter:	3.56 in (90 mm)
Height:	2.28 in (558 mm)
Power consumption:	55 mA @28 VDC (typical)

AUDIO PANELS & CONTROLLERS

TMA44 & TMA45 AUDIO PANELS

TRIG AVIONICS LIMITED

The TMA44 and TMA45 audio panels provide a streamlined, intuitive, high-quality interface for controlling onboard navigation, communications, and entertainment. The TMA Series is available in two versions, the TMA44 Standard and the TMA45 Superior with variations to suit user's needs. Both units provide comprehensive audio features for VFR and IFR flight, include an ILS marker beacon indicator, are compatible with many third-party radio and NAV/COM products, and are designed to fit into a standard avionics rack for simplified installation.

TMA44 STANDARD



The TMA44 is a mono panel that supports 2-4 seats with independent control of crew and passenger audio. This unit is equipped for navigation and IFR flight with switched inputs for NAV 1, NAV 2, ADF, AUX and DME and also includes two additional unswitched inputs for audio alerts. The TMA44 also incorporates a smooth fade feature that automatically lowers music levels in favor of incoming radio communication.

- Equipped smooth fade feature
- Simple, intuitive interface
- Includes marker beacon receiver with indicators
- Adjustable panel illumination
- EASA and TSO certified

TMA45 SUPERIOR



The TMA45 is a fully featured panel that provides high quality audio, stereo music, and Bluetooth® mobile phone support for 2-6 seats. Like the TMA44, this unit incorporates its technical features into a logically designed interface but builds on this platform by adding industry leading Trig Digital Noise Reduction (TDNR). This feature reduces cockpit noise by automatically selecting the optimum level of squelch and mic thresh- old for an improved audio environment. The TMA45 also incorporates Trig Active Mute (TAM) technology that removes unwanted back- ground noise from radio static for an enhanced audio experience. Integrated Bluetooth® connectivity allows the TMA45 to be connected to up to two portable electronic devices for added entertainment and communication options (such as cell phones).

- Equipped with smooth fade feature
- Simple, intuitive interface
- Includes marker beacon receiver with indicators
- Adjustable panel illumination
- EASA and TSO certified

Weight:	0.6 lb
Dimensions:	6.26 x 1.29 x 7.76 in
Audio panel:	TMA44: 2-4 seats TMA45: 2-6 seats
Microphone frequency:	TMA44: 350–600 MHz TMA45: 300–600 MHz
Music frequency:	TMA44: 200 Hz to 15 MHz TMA45: 20 Hz to 20 MHz
Headphone impedance:	150Ω – 1,000Ω
Headphone output:	TMA44: 45 mW TMA45: 38 mW
Speaker output:	3 watts @ 14 VDC 10 watts @ 28 VDC
Supply voltage:	11–33 VDC
Temperature range:	Operating: -20°C to 55°C Storage: -40°C to 85°C

EDMO#	MFR#	DESCRIPTION
01801-0001	01801-00-01	TMA44 Standard Audio Panel
01802-0001	01802-00-01	TMA45 Superior Audio Panel | Integrated Bluetooth

AA95 SERIES SINGLE CHANNEL AUDIO CONTROLLER

CANYON AEROCONNECT

SINGLE CHANNEL



AMS43

The original AMS4x and AA9x and their various models and components are available for use in multiple applications, including EMS flight crews, EMS medical crews, and during police/military operations. Custom variations can be designed to spec. The AMS43 and the AA95 series provide transmit and intercom (ICS) capabilities for the pilot and co-pilot plus intercom for up to four passengers. Panel controls include master RX volume, ICS volume, and squelch (VOX) adjustment, an auto-receive function with selectable receive switches for COM and NAV sources. These units come with an ICS tie line so that multiple controllers can be networked. Additionally, the AA95, 96, and 97 can be custom configured to support up to six transceivers or five transceivers plus PA.

DUAL CHANNEL


AMS42

The dual-channel AMS42 and AMS44 take up the same amount of space as a single controller and allow the pilot and copilot to independently select radio transmit and receiver audio while also supplying the crew and up to five passengers with intercom support. Each pilot can choose their own communication setup specific to their role and each is equipped with a selection of receiver select switches so that the pilots may operate independently of each other. Both units can accommodate up to five COMs with auto-receive function and the AMS42 is set up with receiver select switches for the first four COMs. COM 5 is set up for auto receive only and NAV inputs are selectable by internal dip switches. Another variant of the dual-channel controller, the AA94, can be customized for specific needs and/or missions.

STANDARD FUNCTIONS – BOTH AMS4X AND AA9X UNITS

The integrated intercom provides a high headphone output with up to 500 mW per channel and uses the proprietary Active Noise Filtering (ANFTM) system that provides the best possible communications in noisy aircraft environments

- The intercom voice activated squelch (VOX) provides hand-free ICS operation
- Two direct inputs accommodate functions including Rad Alt, GPS Alerts, Low Rotor, or Telephone ringer
- Emergency mode switch on the front panel switches the pilot headphones directly to the selected radios while mic control is maintained using the transmit select switch for each available radio
- Models AMS43, AA95 and AA97 provide three internal alert tone generators: single-tone, two-tone, and timed swept tone

Weight:	2 lb
Dimensions:	6.75 x 5.75 x 1.88 in
Power:	22–32 VDC (max. 600 mA/5 VDC)
Altitude:	25,000 ft (max.)
Temperature range:	Operating: -20°C to 55°C Storage: -40°C to 85°C

EDMO#	MFR#	DESCRIPTION
SINGLE CHANNEL OPTIONS		
AA95-728	AA95-728	AA95 | 5 transceivers, 6 receive, and alerts
AA95-729	AA95-729	AA95 EMS crew | 5 transceivers, 3 receive
AMS43	AMS43	AMS43 audio controller
AMS43H	AMS43H	AMS43 | AUX front panel text changed to HF
AMS43N	AMS43N	AMS43 | NVG
AMS43TSO	AMS43 TSO	AMS43 | TSO-C50c
SINGLE CHANNEL OPTIONS – *CUSTOM		
AA95-xxx	AA95-xxx	Legacy AA95 parts | custom TSO
AA96-xxx	AA96-xxx	Legacy AA96 parts | custom
AA97-xxx	AA97-xxx	Legacy AA97 parts | custom
DUAL CHANNEL OPTIONS		
AMS42	AMS42	AMS42 | 4 coms & PA
AMS42F	AMS42F	AMS42 Forest Service | 4 coms & PA
AMS42U	AMS42U	AMS42 US Forest Service | 5 coms & PA
AMS44	AMS44	AMS44 audio controller | 5 coms & PA
AMS44N	AMS44N	AMS44 | NVG compatible
AMS44NB	AMS44NB	AMS44 | NVIS B
INSTALL KITS		
AA90-IKC	D50S37SL-IKC	AA90 AMS crimp install kit
AA90T-IKC	AA90T-IKC	AA9X AMS4X mounting tray kit

**Customers may still order legacy versions of the AA94, 95, 96, 97 and components, including custom versions that can be designed to spec*

EDMO#	MFR#	DESCRIPTION
EDI-90C	--	AA9X AMS4X crimp install kit

**Customers may still order legacy versions of the AA94, 95, 96, 97 and components, including custom versions that can be designed to spec*

AA95-1000 MULTI-USER AUDIO CONTROLLER

CANYON AEROCONNECT



The AA95-1000TSO multi-user audio controller is based on the technology of its predecessors, the AA95 and AMS43 audio controllers (see following parts) and is intended for use in a variety of fixed- and rotary-wing aircraft cockpit panels. The advantage of the AA95-1000 over previous generations is a customizable faceplate design that can be fitted with snap-in legends to accommodate any mission. Like previous models, this version provides full transmit (TX), receive (RX) and intercom (ICS) functionality for the pilot and co-pilot— this includes control of six transceiver positions, six receiver inputs, and one PA output. Additionally, passengers can control RX and ICS functions. The AA95-1000 can be mounted using Dzus or quarter-turn fastening rail systems.

- Provides an independent control for each audio channel that allows side tone, ICS audio, and RX audio
- Can be customized for any configuration with snap-in legends that are easy to order and install
- Lighted faceplate – NVIS green compliant
- Boom mic support for pilot and copilot with ICS and XMIT functions via cyclic or yoke switching
- Provides the clearest possible ICS audio performance with dynamic noise reduction and active filtering
- ICS tie line for multiple controller installations
- Sealed switches and relays — the relays are dry nitrogen-filled units rated for shock and high vibration (50g)

Weight:	2 lb
Dimensions:	8.07 x 5.75 x 1.88 in
Power:	0.25 A / 28 VDC
Lighting:	27.5 VDC @ 160 mA
Altitude:	25,000 ft
Temperature range:	Operating: -20°C to 70°C
Certification:	TSO-C50C, RTCA DO-16A, DO-160C & DO-170 qualified

55-08-XXX SNAP-IN LEGEND CAPS FOR AA95-1000			
AUX	COM1	COM2	COM3
DME	DNLINK	FM1	FM2
FM3	FM4	MKR	MUSC
NAV1	NAV2	PAT	SAT

See edmo.com for the full list of available legends.

EDMO#	MFR#	INCLUDED LEGENDS
LEGEND KITS		
AA95LK-001	AA95LK-001	BLANK (2 ea.), AD/DM, CALL, COM1, COM2, FM1, FM2, FM3, FM4, MKR, NAV1, NAV2 (1 ea.)
AA95LK-002	AA95LK-002	BLANK (2 ea.), ADF, CALL, COM1, COM2, DPLR, FM1, FM2, FM3, FM4, PAT, PIL ISO (1 ea.)
AA95LK-003	AA95LK-003	BLANK (4 ea.), 800, CALL, COM1, COM2, NAV1, NAV2, SAT, UHF, VHF (1 ea.)
AA95LK-004	AA95LK-004	BLANK (3 ea.), 800, CALL, COM1, COM2, DPLR, PAT, PIL ISO, SAT, UHF, VHF (1 ea.)

AA24/25 SINGLE USER AUDIO CONTROLLERS

CANYON AEROCONNECT


AA24-001

The AA24 and AA25 single user audio controllers provide dedicated individual control panels for each user in larger, multi-station installations. These units are equipped with interchangeable connector mapping and multi-station junction boxes that make it possible to quickly install large audio systems.

- Accommodates up to four transceivers: a PA position, five switched NAV inputs and a dedicated alerting input and are designed with fully floating inputs to prevent ground-loop and common mode noise
- Panel controls include independent VOX, ICS level and radio level adjustments and a two-color TX/ICS annunciator
- ICS features ICS tie line and ANF noise reduction system
- May be specified for either high or low impedance headsets or helmets and can be custom-configured to meet mission requirements
- Integral intercom provides headphone output of 200 mW
- Voice-activated squelch (VOX) uses voice-tracking circuit that combines low noise audio processing with selective voice-band squelch triggering for effective, hands-free ICS operation

Weight:	1.2 lb (AA24) 1.5 lb (AA25)
Dimensions:	1.49 x 7.55 x 5.75 in (max. AA24) 2.62 x 7.44 x 5.75 in (max. AA25)
Power:	28 VDC (reverse & over voltage protection) 400 mA max.
Lighting:	28 VDC @ 160 mA
Altitude:	25,000 ft
Temperature:	Operating: -40°C to 70°C

EDMO#	MFR#	DESCRIPTION
AA24-001	AA24-001	AA24 audio controller
AA25-001	AA25-001	AA25 | individual RCV volume controls
INSTALL KITS		
AA24-IKC	D37S15SL-IKC	AA24/AA25 installation kit
EDI-24C	--	AA24/AA25 crimp installation kit
ACCESSORIES		
JB37-403	JB37-403	3-station junction box
JB37-404	JB37-404	4-station junction box
JB37-405	JB37-405	5-station junction box
JB374-IKC	D37PX437SL-IKC	Crimp installation kit for JB37-404
JB375-IKC	d37px537sl-ikc	Crimp installation kit for JB37-405

AA85 INTERVOX II STEREO INTERCOM

CANYON AEROCONNECT
EDMO# AA85-001
MFR# AA85-001



The AA85 is a TSO approved intercom system designed to meet the needs of pilots in demanding environments. The InterVOX II™ system is a high quality voice-activation intercom that brings many features found in larger commercial systems. The AA85 intercom can accommodate a two, four, or six place installations and provide full transmit and intercom capabilities for pilot and co-pilot, plus intercom functions for up to four passengers. An exclusive tie line function allows the AA85 to be a part of a complex multi-unit system as either a primary or secondary component.

- ICS tie line feature allows for integration into a multi-unit system
- VOX/Live/PTT modes: intercom mode is set by the respective position of the VOX controls, and separate VOX controls for pilot and crew compensate for differences in noise levels
- Stereo music input accepts audio from portable entertainment units, and sophisticated channel mixing deliver high quality monaural music to standard aviation headsets
- TSO-C50c certification: RTCA DO-170 Class 1b (Only applicable to units Serial # 3000 and above)], DO-160C Env. Cat. A1/D1-BA[BMN]XXXXXXZBA-BAUZXXX
- AA80-xxx compatible allows for direct plug compatibility for fast and simple upgrades

EDMO#	MFR#	DESCRIPTION
20-29-250	20-29-250	Hood & Locking Lever

AA12S COMPACT AUDIO CONTROLLER

CANYON AEROCONNECT



The AA12S audio controllers are Dzus-mounted units with an integral 4-place stereo, voice-activated intercom that provides intercom capabilities for the pilot, copilot and two passengers (PAX). The AA12S accepts stereo music inputs from portable or fixed entertainment systems to produce high-quality stereo headset output. The AA12S's radio functions include selectable transmit capability for the pilot and copilot on 3 COM radios and a PA; receive audio selections include COM1, COM2, COM3, MKR, NAV, ADF, and DME.

- Each of the four mics has individual VOX gating; each gate may also be activated with the corresponding ICS keyline
- ICS muting is automatic during radio transmission
- Comes configured for use with a standard bi-directional ICS audio TIE line for multi-unit interface (depending on the configuration); the crew and PAX are always connected except in the case of Pilot ISO mode, when the pilot is disconnected from the ICS tie line
- Custom configurations are available in which one or more receiver audio inputs can be configured as an unswitched Direct Audio input
- Provides the following audio levels (may be adjusted at installation or during service provided by an approved dealer): ICS balance, ICS bass level, music balance, music bass level, music mute level, RX balance, RX volume level, side tone level

Weight:	1.2 lb
Dimensions:	5.58 x 5.75 x 1.12 in
Power:	11–30.3 VDC
Lighting:	27.5 VDC @ 200 mA max. (AA12S-001)
Altitude:	50,000 ft
Operating Temperature:	Operating: -20°C to 55°C

EDMO#	MFR#	DESCRIPTION
AA12S-001	AA12S-001	AA12S | 28V - standard lighting
INSTALLATION KITS		
AA12S-IKC	AA12S-IKC	Crimp installation kit
AA12S600IK	AA12S-600-IKC	AA12S-600 installation kit
EDI-12C	--	AA12 crimp installation kit
D25PL-IKC	D25PL-IKC	25-pin male crimp kit

N301A SINGLE USER AUDIO CONTROLLER

CANYON AEROCONNECT


N301A-057

The N301A single-user audio controller provides extensive noise suppression, fully floating inputs to remove ground-loop or common mode noise and supports both high and low impedance headsets with the ability to adjust mic outputs for each transceiver. This unit can be used in new installations where single or multiple user networks (up to 10 stations) are required. The N301A includes split RX and ICS volume controls, VOX squelch control, an additional RX input for the AUX TX position, and an extra Nav Aid position. The N301A is also includes additional internal inputs to improve airframe alerting capability.

- Each panel is self-contained with solid-state modular plug-in construction, sealed switching devices for low noise and gold switch/relay contacts for long life
- Includes a CVR output, TX annunciator light, emergency mode switch, second connector for supplemental inputs, two additional ICS buses (PVT and NAT) to support more complex ICS networks
- Includes a VOX circuit and front panel control for a voice-activated intercom
- This unit is offered in standard configurations or customized panel layouts with 5 VDC or 28 VDC standard white lighting, plus optional NVG friendly or NVIS green compliant lighting
- Uses snap-in 55-06-xxxx legends on M301A-2xx and -3xx models.

Weight:	1.75 lb
Dimensions:	3.41 x 5.75 x 2.63 in
Power:	22–32 VDC
Lighting:	160 mA/28 VDC, 600 mA/5 VDC
TX positions:	Up to 6, plus ICS and PVT ICS
Headset:	105/600Ω / 250 mW or 8Ω / 250 mW minimum
Microphone:	150Ω carbon equivalent or amplifies dynamic or unamplified 5Ω dynamic
Altitude:	25,000 ft
Temperature range:	Operating: -20°C to 70°C

EDMO#	MFR#	DESCRIPTION
N301A-000	N301A-000	N301A single-user audio controller
N301A-021	N301A-021	N301A for KitchernAero/Voya
N301A-078	N301A-078	N301A for MD Helicopters
N301A-200	N301A-200	N301A | standard lighting - Hi-Z
N301A-201	N301A-201	N301A | NVIS green B backlight - Hi-Z
N301A-300	N301A-300	N301A | Single-user, dual Z, standard lighting
N301A-301	N301A-301	N301A | NVIS green B backlight - dual Z
INSTALL KITS		
D50S15SL-C	D50S15SL-IKC	N301/N301A crimp install kit
EDI-N301C	--	N301A Crimp install kit

344 SERIES AUDIO CONTROL PANEL

CANYON AEROCONNECT


344-001

The Model 344 single-user Audio Control Panel is specifically designed for modern fighter/trainer aircrafts. This audio control panel provides cockpit audio control functions for one pilot, with additional interphone capability for RAMP (ground) operator. All audio signal management and processing is done within the 344, eliminating the need for a remote-mounted audio management unit resulting in reduced acquisition and installation costs and reduced system weight without sacrificing vital system performance in the trainer. The 344 is designed with a flexible control and front panel configuration to meet a variety of customer-specific operational needs. The unit is available with NVIS or standard incandescent light.

- Radio specific on/off volume controls
- VOX ad keyed interphone
- NVIS-compatible lighting (optional)
- CVR and recorder outputs
- Support for up to 18 discreet warnings (pull-up, stall, landing gear, low torque, etc.)

Weight:	2.2 lb
Dimensions:	2.25 x 5.75 x 5 in
Certification:	TSO-C139, DO-214, DO-160E

EDMO#	MFR#	DESCRIPTION
344-001	344-001	344 audio control panel | selector panel
344-002	344-002	344 audio control panel

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TACTICAL SOLUTIONS, NO MATTER THE AIRCRAFT. EDMO HAS YOU COVERED

The changing nature of airspace communications demands equipment that keeps pace with the times. EDMO helps their customers stay at the technological forefront by supplying the best in VHF radios, tactical communications equipment, audio panels and controllers. If you don't see what you need here, it's likely we have it, or can order it in for you. You can also check out the newly improved edmo.com. With thousands of parts a click away, EDMO has you covered. Our friendly customer service and sales staff is here for you. Call us at 1.800.235.3300.



AA31 ICS MODE CONTROLLER

CANYON AEROCONNECT



AA31-001

The AA31 ICS Mode Controllers organize an aircraft audio system into multiple intercom circuits for independent or common operation. These units are ideal for applications in which multiple independent operations occur within the aircraft that require isolation and the ability to share common communications. The AA31 provides ICS switching for three or four audio controllers or other devices incorporating an ICS tie line. In addition, the AA31 has provisions for driving external annunciators and interfacing for ICS calling.

- Front panel annunciators provide positive indication of the ICS mode selection; an LED on the right of the ICS function knob lights green to indicate ICS function is all common while the LED to the left of the ICS function knob lights amber to indicate that any of the ICS functions are in the isolated position
- Equipped with four annunciator outputs, one for each ICS function
- Provides load matching so that the ICS levels do not change as the ICS function is changed; when the AA31 isolates an audio controller's ICS tie line, it connects a resistor, equal to the load of the ICS tie line, in place of the isolated audio controller
- Rear Call annunciators illuminate when a rear call signal is activated ICS function switching is a passive circuit, so it continues to operate without power (annunciators and outputs fail without power)

Weight:	0.5 lb
Dimensions:	2.82 x 5.75 x 1.13 in (max.)
Power:	28 VDC / 155 mA max. @ 27.5 VDC, 80 mA max. @ 27.5 VDC
Annunciators:	Rear Call (left): amber (dimming) Rear Call (right): amber (dimming) ISO: amber (dimming) Common: green (dimming)
Altitude:	25,000 ft
Temperature range:	Normal: -40°C to 55°C Survival: -55°C to 85°C

EDMO#	MFR#	DESCRIPTION
AA31-001	AA31-001	Active grounds for external annunciation
AA31-002	AA31-002	Voltage to annunciation
AA31-104	AA31-104	Same as -002 but NVG version
AA31-303	AA31-303	ICS mode controller
AA31-306	AA31-306	ICS mode controller with NVIS B
Installation kit		
AA31-IKC	D25SL-IKC	Crimp installation kit

**additional AA31-XXX custom dash numbers have been defined and are available upon request.*

AA30 EXPANSION SWITCH PANEL

CANYON AEROCONNECT



AA30-310

The AA30 expansion units are compact, Dzus-mounting switch expansion units that support up to four transceivers with individual receive volume control (depending on variation of AA30).

Weight:	1.05 lb
Dimensions:	6.20 x 5.75 x 2.5 in
Power:	0.25 A / 28 VDC

EDMO#	MFR#	DESCRIPTION
AA30-310	AA30-310	Expansion panel for 380
AA30-301	AA30-301	Expansion panel legends | Role transmitters: TAC1, TAC2, MAR / Role receivers: TAC1, TAC2, MAR, Type V / 28 VDC / blue/white lighting
AA30020IKC	D25SL-IKC	Crimp install kit for AA30--020

**additional AA30-XXX custom dash numbers have been defined and are available upon request.*

AUDIO ADAPTERS & AMPLIFIERS

AA36 DIGITAL ICS TIE LINE ADAPTER

CANYON AEROCONNECT



AA36-100

The AA36-100 ICS tie line adapter provides an interface between AEM audio products with an ICS tie line or SuperNAT tie line and other proprietary bi-directional and uni-directional ICS tie lines. This is especially useful when integrating AEM products with an existing system. The following functions may be adjusted by the user.

- Universal microphone output levels (not impedances)
- Universal bi-directional ICS tie line output levels and impedances
- Attenuation of the analog audio signal arriving on the universal ICS tie line or microphone input
- Attenuation of the analog audio signal arriving on the NAT ICS tie line
- Output level of the NAT bi-directional ICS tie line
- Universal bi-directional tie line can be configured to one of four possible proprietary tie lines

Weight:	0.6 lb
Dimensions:	4.59 x 4.54 x 1.4 in
Power:	0.3 A / 28 VDC
Input/output:	dB systems: 400 mVrms into 430Ω Gemelli: 400 mVrms into 150Ω Telephonics: 400 mVrms into 150Ω Andrea: 2.8 mVrms into 600Ω Honeywell: 7.7 mVrms into 600Ω

EDMO#	MFR#	DESCRIPTION
AA36-100	AA36-100	AA36-100 ICS tie line adapter
AA36-ECF	AA36-ECF	AA36-ECF NAT ICS tie line to non-directional tie line interface
INSTALLATION KIT		
AA36100IKC	D15SM-IKC	Crimp installation kit for AA36-100

AA35 AUDIO MIXER PANEL

CANYON AEROCONNECT



AA35-001

The AA35 audio panel mixer is a six- or 12- channel summing amplifier with independent level control for each input and can be used as an expansion panel for existing audio controllers.

Weight:	1.1 lb
Dimensions:	5.68 x 5.75 x 1.12 in 4.78 inch depth behind the panel 4.9 inch width behind the panel
Input power:	27.5 VDC (nominal)
Input current:	275 mA (nominal)
Output:	7.7 VRMS or 100 mW into 600Ω 1.3 VRMS or 200 mW into 8Ω
Mounting:	Dzus rail
Altitude:	35,000 ft (max.)
Temperature range:	Operating: -45°C to 70°C Survival: -55°C to 85°C
Material/finish:	Chassis and cover are 5052-H32 brushed aluminum with conversion coating finish

EDMO#	MFR#	DESCRIPTION
AA35-001	AA35-001	Panel mount AA35 base model | Provides signal combinations of up to six in–six out or six in–one composite out
AA35-007N	AA35-007N	Custom audio mixer panel with 28 VDC | NVG friendly lights
AA35-100	AA35-100	Remote mount AA35 model | Provides signal combinations of up to six in–six out or six in–one composite out
AA35-201	AA35-201	Summing isolation amp | 12 Channel, NVIS green
AA35-201W	AA35-201W	Panel mount AA35 potentiometer panel | Provides signal combinations of up to 12 in–12 out or 12 in–one composite out
AA35-400	AA35-400	Remote mount AA35 for TAWS applications | Provides signal combinations or up to three in–three out or three in–one composite out
INSTALLATION KITS		
AA35-IKC	D37SV-IKC	Crimp Installation kit for AA35 | Includes: (1 ea.) D-min 37 Socket Housing, (37 ea.) MS Crimp Socket, (1 ea.) 37 Pin JVL Hood/Locklever
AA35-IKC-1	D37SV-IKC	Crimp Installation kit for AA35, AA38-50x/60x/70x, AA39-x87 (Alt. part No.: D37SV-IKC)
D37PV-IKC	D37PV-IKC	37-pin D-miniature male crimp install kit
D37SL-IKC	D37SL-IKC	37-pin D-miniature female crimp install kit
D37SV-IKC	D37SV-IKC	37-pin D-miniature female crimp install kit

MODEL 247 AUDIO MIXING AMPLIFIER

CANYON AERONNECT



The Model 247 is a multipurpose audio mixing amplifier for mixing aural warning, cockpit voice recorder, or any other aircraft audio signals. Each input is adjustable to accept 0.25 VRMS microphone input signals, headphone audio signals from standard audio systems, or receiver audio signal up to 50 mW. The outputs are designed to drive any impedance from 8 to 10K. Additional inputs can be added by connecting one of the outputs to feed an input of another mixer.

- Designed for driving non-DC biased (ground referenced) loads
- Contains 3 independent audio mixing circuits that have four input channels and one output channel each
- Adjustable inputs accept microphone signals, headphone audio signals, or receiver audio signals
- TSO-C50c, RTCA/DO-214, RTCA/DO-160C approved

Weight:	0.42 lb (max.)
Dimensions:	1.63 x 3.03 x 4.03 in (max.) including flanges
Distortion:	<1% THD+N
Gain range:	>12 dB
Output:	4.5 VRMS (33 mW) into 600Ω, current limited
Mic. bias:	18 VDC @ 30 mA individually selectable
Frequency response:	Flat within ±3 dB from 300 to 6,000 Hz
Altitude:	-15,000 ft to 70,000 ft
Temperature range:	-55°C to 70°C
Mounting:	Bulkhead mount with four #8 screws

EDMO#	MFR#	DESCRIPTION
NAT247	247	Standard configuration | designed for driving non-DC-biased (ground referenced) loads
NAT247-001	247-001	Compatible with DC biased loads such as microphone inputs and other equipment
INSTALL KIT		
D44SV-IKC	D44SV-IKC,200-67	Crimp installation kit

AA23 SPEAKER AMPLIFIER

CANYON AEROCONNECT



AA23-001

The AA23 is a versatile speaker amplifier that can be used to convert balanced 600Ω line, 150Ω/600Ω headset, or carbon-equivalent microphone levels to speaker outputs. The AA23 can be used for distributed music systems, paging, transfer of headset based systems to outputs, or as a very high powered headset booster driver. The interface to the AA23 is fully floating (transformer coupled), allowing for complex and long distance interconnects while providing outstanding rejection of ground loop signals.

The AA23 can be used for distribution systems, paging, transfer of headset-based systems to speaker-based outputs, or as a high power headset booster driver. This amplifier will drive any speaker load from 3.2Ω to 16Ω but provides optimum energy transfer into either four or six 8Ω loads.

Weight:	0.78 lb
Dimensions:	1.73 x 5.20 x 3.95 in
Input power:	22–32 VDC
Supply current:	600Ω: 1.0A max. (at full output into 3.2Ω) H/S input: 7.70 VRMS (20 dBm) @ 1 kHz Mic input: 0.25 VRMS @ 1 kHz
Output Levels:	3.2Ω load, 9.0 WRMS @ 1 kHz with <0.6% distortion 4.0Ω load, 7.5 WRMS @ 1 kHz with <0.6% distortion 8.0Ω load, 4.5 WRMS @ 1 kHz with <0.5% distortion 16Ω load, 2.5 WRMS @ 1 kHz with <0.3% distortion Input Logic, Key inputs are active LOW (GND = Muted) Output Logic, Key outputs are diode isolated
Shock:	12g (any axis)
Altitude:	15,000 ft
Temperature range:	-20°C to 65°C
Mounting:	4 x 10-32 mounting bolt/screw

EDMO#	MFR#	DESCRIPTION
AA23-001	AA23-001	AA23 cabin PA/music speaker amplifier
AA23-002	AA23-002	AA23 dual speaker amplifier
INSTALLATION KITS		
EDI-23C	--	Crimp installation kit for AA23
D15SL-IKC	D15SL-IKC	Crimp installation kit for AA23, VR28, AC100, AC200, IC260

MODEL 246 AND 245 SERIES SPEAKER AMPLIFIERS

CANYON AEROCONNECT

MODEL 246



The Model 246 isolation amplifier is designed to be a direct replacement in form, fit, and functional replacement for the Collins model 356C-4. The 246 is capable of driving 100 mWRMS into 600Ω load and a 5 WRMS into an 8Ω load.

MODEL 245



The Model 245 speaker amplifier is designed to be interchangeable in form, fit, and function with the Collins Avionics Model 365F-3 speaker amplifier. This PA amplifier provides 18 watts of output power with less than 1% distortion. The Model 245 is an excellent choice for cabin or cockpit applications to replace an existing Collins unit or for new installations. It is a suitable solution for cabin paging, cockpit speaker, and music applications.

- Accepts differential and single ended inputs
- Over-temperature and over-current protection
- Certified to TSO-C50c

Weight:	0.4 lb (245) 0.35 lb (246)
Dimensions:	2.2 x 3.6 x 3.9 in (245) 2.75 x 1.5 x 2.78 in (246)
Power supply:	2.5 amps, max @ 27.5 VDC
Speaker output:	18 watts into 4Ω, <1% distortion / 25W into 8Ω
Certification:	TSO-C150c (245) TSO-C50c, DO-160C (246)

EDMO#	MFR#	DESCRIPTION
NAT245	245	245 speaker amplifier | 7.75 VRMS into 600Ω
NAT245-001	245-001	245 speaker amplifier | 1.0 VRMS into 1,800Ω
NAT245-002	245-002	18 Watt | 0.25 VRMS into 1,600Ω
NAT246	246	246 isolation amplifier | 100 mWRMS into 600Ω load
INSTALLATION KIT		
C16S-1-IKC	C16S-1-IKC	Installation kit | 245 & 246 amplifiers

PASSENGER SPEAKER AMPLIFIERS

CANYON AEROCONNECT

MODEL 251



The Model 251 passenger speaker amplifier is a remote-controlled unit that is operated from switches and potentiometers located in the cockpit or cabin of the aircraft. This unit receives audio from various sources to send to speakers located in the cabin. The 251 passenger audio amplifier also provides fasten seat belt and no smoking chime tones, cabin call ring tone, ADF, pilot selection Com (PSC), Briefer and cabin paging audio (in mono) to the cabin speakers. It also provides stereo audio from an external AM/FM stereo receiver, cassette tape, or CD player to cabin speakers as well as auxiliary outputs.

Weight:	2.7 lb max.
Dimensions:	7.8 x 3.675 x 2.47 in
Power supply:	28 VDC @ 5 A, max.
Output:	49 W @ 1Ω (40 W typ.) / 28 W @ 2Ω (30 W typ.) 15 W @ 4Ω (18 W typ.)
Isolation between channels:	60 dB min.
Output noise:	Greater than 75 dB below rated
Altitude:	Up to 70,000 ft
Temperature range:	-55°C to 70°C
Mounting:	Horizontally or vertically

MODEL 240



The Model 240 passenger speaker amplifier is a remote-controlled unit that is operated from switches and potentiometers located in the cockpit or cabin of the aircraft. This unit receives audio from various sources to send to speakers located in the cabin. The Model 240 provides stereo music to the cabin from external music sources. This passenger audio amplifier also provides fasten seat belt and no smoking chime tones, cabin call ring tone, ADF, pilot selection Com (PSC), TV, Briefer and cabin paging audio to the cabin speakers.

Weight:	1.4 lb
Dimensions:	1.9 x 7.8 x 4.9 in
Input signals:	ADF: 7.75 VRMS PSC, TV, Briefer, stereo left & right: 1.0 VRMS PA MIC: supplies bias current and compatible with carbon and amplified dynamic microphones Paging Volume: controls PA mic level and briefer audio inputs to the PA side tone and left & right speaker outputs Reciever Volume: Controls ADF, PSC, and TV audio to left & right speaker outputs Power Supply: 28 VDC @ 3A, max.
Output:	Left/Right speaker: 20 W @ 2Ω (peak) 2W continuous 10W @ 4Ω (peak), 1W continuous
Frequency response:	85 Hz to 20 kHz (outputs) / 350 Hz to 6 kHz (inputs)
Harmonic distortion:	Less than 3%, all outputs
Isolation between channels:	60 dB, min.
Output noise:	Greater than 75 dB below rated, outputs
Altitude:	Up to 70,000 ft
Temperature range:	-55°C to 70°C
Certification:	DO-160B Env. Cat F2-BA[JLO]XXXXXXX[BZ]AAAAAL FAA TSO-C50c (RTCA DO-170) Class 1b)

*continued on next page

EDMO#	MFR#	DESCRIPTION
NAT240	240	Model 240 passengar speaker amplifier | 40W
NAT251	251	Model 251 passenger speaker amplifier | 60W
NAT251-001	NAT251-001	Model 251 | with low pass filter at 90 Hz and high pass filter at 20 kHz
NAT251-002	251-002	Model 251 | 60W
NAT251-003	NAT251-003	Model 251 | with briefing audio output to right speaker, receiver inputs and switches are not available, and briefer switch input is externally grounded disabling the stereo left and right input
INSTALLATION KIT		
D37SMV-IKC	D37SMV-IKC	Crimp installation kit

405014A-THD HIGH POWER AMPLIFIER

COBHAM
EDMO# 405014ATHD
MFR# 405014A-THD



The High Power Amplifier is part of the AVIATOR 700D system, designed for flexible applications in aviation, including business, VIP, and military aircraft. The AVIATOR 700D supports Inmarsat Aero H+ and SwiftBroadband services, offering high-speed data transmission, multiple simultaneous voice calls, and both wired and wireless connectivity options. With a built-in router, PBX, and wireless access point, it enables reliable communication and internet access throughout the cabin, while the high-gain antenna ensures data rates up to 432 kbps for enhanced performance.

- Small size (3 MCU) and low weight
- No external forced cooling required
- Installation outside pressure area
- FAA PMA

Weight:	11.2 lb (5.1 kg)
Dimensions:	12.62 x 3.66 x 7.79 in (320.5 x 93 x 193.5 mm)
Altitude:	MSL to 55,000 ft
Temperature:	-55°C to 70°C
Connectors:	ARINC 404A

405040A-THD SWIFT BROADBAND UNIT

COBHAM
EDMO# 405040ATHD
MFR# 405040A-THD



The Swift Broadband Unit is a compact, high-performance module designed for seamless satellite communication integration on aircraft. It supports up to eight simultaneous voice calls and provides IP Packet or streaming SwiftBroadband data. With built-in Ethernet connectivity, a router featuring six ethernet interfaces, and a wireless access point, it allows multiple devices to connect effortlessly. This lightweight, two MCU unit is energy-efficient, requires no forced cooling, and integrates easily with existing systems. FAA PMA certified, it's ideal for reliable in-flight connectivity.

Weight:	6.2 lb (2.8 kg)
Dimensions:	12.62 x 2.25 x 7.62 in (320.5 x 57.2 x 193.5 mm)
Power:	28 VDC (max), 30 W (typical), 83 W (max)
Altitude:	MSL to 55,000 ft
Temperature:	-25°C to 55°C
Connectors:	Rear: ARINC 404A, Front: RJ-45

405035A-THD SATELLITE DATA UNIT

COBHAM
EDMO# 405035ATHD
MFR# 405035A-THD

The Satellite Data Unit is a critical component of the AVIATOR 700D system, seamlessly integrating Aero-H+ and Swift64 services. It enables robust communication features, including built-in handsets, ARINC 429 support for essential aircraft systems, and connectivity via Ethernet, ISDN, and RS422. With no need for forced cooling and advanced features like Built-In Test Equipment (BITE) and detachable Configuration Module (CM), the SDU ensures reliable data transmission and management, making it ideal for tactical, VIP, and commercial aircraft platforms.

- Built-in CTU connects up to six (standard or wireless) handsets incl. two 2-wire (RJ-11/ POTS) interfaces - no converter box required. Detachable Configuration Module (CM)
- ARINC 429 for IRS, AHRS, ACARS, MCDU, CMU, AFIS, CPDF
- RS-232C port for Portable Data
- Loader/Configuration Management Terminal (PDL/CMT)
- FAA PMA

Weight:	7.2 lb (3.2 kg)
Dimensions:	12.62 x 3.56 x 7.62 in (320.5 x 90.4 x 193.5 mm)
Power:	28 VDC (max), 30 W (typical), 50 W (incl. handsets and DLNA)
Altitude:	MSL to 55,000 ft
Temperature:	-25°C to 55°C
Connectors:	Rear: ARINC 404A, Front: SUB-D 15 Female

EDMO#	MFR#	DESCRIPTION
405035A001	405035A-001	Configuration module

MODEL 270 UNIVERSAL INTERFACE AMPLIFIER

CANYON AEROCONNECT



NAT270

The Model 270 Universal Interface Amplifier provides amplification and switching functions for varying radio, microphone, and custom audio interface needs. This unit interfaces radios to operator headsets and microphones while providing specialized switching functions including voice activated switching, radio PTT switching, or other interface functions. The Model 270 can be used as a primary amplifier for an aircraft or vehicle operator station or it can be used as an auxiliary amplifier for interface or other applications.

- Floating key lines
- RX and side tone amplifier
- Floating audio lines in and out
- Mic amplifier with adjustable output
- Selectable functions and levels
- Includes VOX and one pin for VOX control

Weight:	0.4 lb
Dimensions:	4.5 x 1.38 x 5 in (max.)
Power:	0.25A (max.) / 14/28 VDC
Certification:	DO-160C

EDMO#	MFR#	DESCRIPTION
NAT270	270	Universal interface amplifer
INSTALLATION KIT		
D25SM-IKC	D25SM-IKC	Installation kit

INTERPHONE AMPLIFIER

CANYON AERONNECT
EDMO# NAT204
MFR# 204



The Model 204 interphone amplifier is a three-station mixing/ICS amplifier with DC-biased microphone inputs and 100 mW into 150Ω outputs with no VOX. The 240 is a lightweight and compact amplifier that is versatile and provides low-level microphone inputs, and audio to all flight interphone stations.

Weight:	0.35 lb
Dimensions:	1.6 x 3 x 2.5 in
Power:	0.15 A max. @ 28 VDC
Certification:	FAA certified under Type certificate (TC)

EDMO#	MFR#	DESCRIPTION
D25SMV-IKC	D25SMV-IKC	Crimp install kit

210 VOICE ACTIVATED SWITCH

CANYON AERONNECT
EDMO# NAT210
MFR# 210



Model 210 voice activated switch delivers precise performance for mission critical situations.

- Adjustable VOX threshold (internal)
- 2ms attack, 2 second release
- No power supply connection (powered from mic bias – 18 VDC max)
- Unity gain
- Installs with 2 wires in, 2 wires out
- Weight: 0.30 lb. / 0.14 kg

Weight:	3 lb (1.36 kg)
Dimensions:	4.724 x 7.402 x 2.205 in (12 x 18.8 5.6 cm)
Input Voltage:	24 — 32 VDC
Current:	25 amps rms, max
Frequency Response:	400 Hz — 4,500 Hz
Temperature:	-40°F to 122°F (-40°C to 50°C)

MICROPHONE AMPLIFIER

CANYON AERONNECT
EDMO# 263-000
MFR# 263-000



The 263 series microphone amplifier has an amplifier gain from 20 to 60 dB and is compatible with military carbon microphones that have a 200 µVRMS output level.

Dimensions:	1.5 x 2.5 x 1.25 in
Power supply:	Receives power from the transmitter or interphone or microphone bias supply. Bias supply must be able to develop a minimum of 9 VDC across a 600-ohm load (20 mA source minimum)
Amplifier gain:	Factory gain from 20 dB to 60 dB
Frequency response:	Flat within 3 dB from 300 Hz to 6,000 Hz
Distortion:	Less than 1%
Transmitter microphone output:	0.25 VRMS into 100Ω
Altitude:	55,000 ft
Temperature range:	-55°C to 70°C
Certification:	FAR Part 21, TSO-C50c, RTCA DO-214 and RTCA DO-160D Environmental Category [(A2)(F2)]-BBB[TU]XRXDFSZ[BZ]AZARM[XXC4]XXA

AREA MICROPHONE PREAMPLIFIER

CANYON AERONNECT
EDMO# 265-002
MFR# 265-002



The Model 265 Area Microphone Preamplifier is designed to detect and amplify acoustic cockpit signals for routing to cockpit voice records. The model 265-002 is designed to include an internally mounting microphone for receiving acoustic input signals at the microphone opening located at the front of the enclosure.

Amplifier gain:	16 dB to 36 dB (adjustable)
Output level:	1.0 VRMS into 600Ω when acoustic input level is 94 dB SPL above 20 µPascals
Amplifier frequency response:	Flat within 3 dB from 100–10,000 Hz
Acoustic frequency response:	Flat within 3 dB from 150–8,000 Hz
Amplifier distortion:	Less than 1% THD+N
Acoustic distortion:	Less than 5% THD+N
Microphone output:	1.0 VRMS into 600Ω (nominal) 2.0 VRMS into 600Ω (max.)
Power supply:	28 VDC @ 30 mA
Altitude:	Up to 55,000 ft
Temperature range:	-55°C to 70°C
Certification:	FAR Part 21, TSO-C139, TSO-C123b, Eurocae ED112, RTCA DO-214 & RTCA DO-160E

AUDIO ALERTS & AURAL WARNING GENERATORS

AA37 ALERTING SYSTEMS

CANYON AERONNECT



AA37-212

AA37 Alerting Systems are compact, remote mounted units that provide two- or three-level alerting. All outputs are fully isolated to accommodate installation in dual audio controller systems. Trigger inputs can be active low or active high depending on the model—this allows for straightforward interfacing with common aircraft systems. The tone and rate of the alerts can be tailored to ensure that they don't interfere with existing airframe warning functions.

Weight:	0.51 lb (max.)
Dimensions:	4.4 x 4.5 x 1.25 in
Input power:	27.5 VDC @ 200 mA (nominal)
Altitude:	25,000 ft
Temperature range:	Operating: -20°C to 55°C Survival: -55°C to 85°C

EDMO#	MFR#	DESCRIPTION
AA37-001	AA37-001	Dual channel, 2 level alerting. Audible output tones for ICS call or alerting. Floating outputs, 150Ω – 600Ω loads. Low level triggers.
AA37-002	AA37-002	Dual channel, 2 level alerting. Audible output tones for ICS call or alerting. Floating outputs, 150Ω – 600Ω loads. High level triggers for alert #1. Low level triggers for Alert #2.
AA37-212	AA37-212	Dual channel, 3 level alerting. Provides alerting for AA94/AMS42/44. Floating outputs, 150Ω – 600Ω loads. Low level triggers.
INSTALLATION KITS		
AA37-IKC	D25SL-IKC	Crimp installation kit

630A AUDIO STORAGE & PLAYBACK UNIT

CANYON AERONNECT
EDMO# 630A-000
MFR# 630A-000



The 630A Audio Storage and Playback Unit (ASPU) is an advanced audio alert and notification system. It provides multi-channel, digital audio playback of tones and voice messages to the cockpit and cabin and meets the requirement for increased aircraft alert capacity. In total, the 630A provides 96 alerts based on 24 alert trigger discretes. Each trigger can generate up to four alerts: voice, tone, and combination. Additionally, pilot and copilot sides can have individually-customized and prioritized alerts or advisory messages. Audio alerts can be customized by selecting each tone, chime or voice message used from a library of saved alerts or the user can create and upload their own customized .WAV files.

- Provides up to 96 alerts using 24 alert trigger discretes (inputs); each alert trigger can be prioritized and can activate up to four alerts including voice, tone, and combination (with the option to customize and prioritize alerts or advisory messages for the pilot and copilot)
- Users have access to pause, cancel, and alert test features as well as the ability to mute chimes, briefing messages, and background
- Uses standard Microsoft Windows audio alert.WAV files so that the installer can create and upload their own files if desired
- The 630 is configured using a standard USB or RS-232/RS-422 interface, PC configuration tool, and audio storage and playback unit configuration
- Password protection feature ensures that operators cannot alter installation configurations
- Installer programmable alert volume levels
- Compatible with the original model 630 for retrofit purposes – Approved to TSO-C139 requirements
- Includes CD with 630A series Install/Ops manual and new AS- PU-CS configuration software and manual

Weight:	1.15 lb
Dimensions:	4.96 x 7.81 x 1.68 in
Noise:	Less than -50 dB (-70 dB typical)
Total harmonic distortion (THD+N):	Less than 3% (1% typical)
Frequency response:	Flat within 3 dB from 300 Hz to 15 kHz
Playback messages (audio outputs):	Flat within 3dB from 300 Hz to 15 kHz
Crosstalk:	-80 dB, typical
Altitude:	-15,000 to 55,000 ft
Temperature range:	-55°C to 70°C
Certification:	TSO-C50c, Meets the performance requirements of RTCA DO-214 while testing to the, environmental conditions of RTCA DO-160F

AWG08 AUDIO WARNING GENERATOR

ANODYNE ELECTRONICS MFG CORP
EDMO# AWG08-001
MFR# AWG08-001



The AWG08 is a field programmable, audio warning generator designed for the pilot and integrator in mind. Provided with a USB input and intuitive application software, the AWG08 offers the ability to be programmed in the field while versatile enough to operate in a variety of application and installations. Two isolated inputs allow integration with existing audio warning systems to be internally summed in the AWG08's generated warnings.

- Provides eight, 90-second audio slots
- Field-programmable via USB input and intuitive application software
- Priority warning management
- Dual, isolated audio outputs & configurable audio inputs

Weight:	0.7 lb
Dimensions:	3.51 x 4.01 x 1.51 in
Input Voltage:	28 VDC, operating (nominal)
Input Current:	0.3A max. @ 28 VDC
Vibration:	Conforms to DO-160G category 'S & U2', waveforms C, L,F & F1
Shock:	6g for 11 msec (operational) 20g for 11 msec (impulse), 3 sec (sustained)
Protection:	0.5A slow blow fuse Power supply inhibited upon 28 VDC when applied to GND
Number of Input Channels:	8 Channels
Altitude:	35,000 ft
Temperature range:	Operating: -45°C to 70°C Survival: -55°C to 85°C
Connectors:	1 x 44 pin high density D-sub (male), 1 x USB mini AB (female)
Mounting Hardware:	4 x 8-32 panhead screws
Compliance:	Approved to TSO-C139a, Qualified to DO-160G & DO-214A

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AIRBORNE TELEPHONE ADAPTERS

PTA12 POTS AIRBORNE TELEPHONE ADAPTER

CANYON AEROCONNECT



PTA12-100

The PTA12-series units are Dzus-mounted, keypad-based control units for use with airborne telephone system applications. These units connect to a telephone system transceiver via a two-wire plain old telephone service (POTS) interface. PTA12-series units can be connected directly to an aviation headset or to the aircraft audio controller(s). The PTA12 units are available in a variety of configurations.

UNIVERSAL FEATURES:

- The speech circuits include a mic input amplifier and a phones output amplifier with front panel volume control
- HOOK-switch control and indication is provided on the front panel
- Ring indication is also provided on the front panel with a flashing green LED
- FLASH key is provided on the front panel for use with call transfer and waiting
- HOLD key on the front panel mutes all audio to and from the headset
- REDIAL key on the front panel automatically redials the last number entered
- Interfaces with the airborne telephone transceiver using a two-wire POTS port
- Illuminated keypad

PTA12-000 BASE UNIT

The PTA12-000 provides ring detect, ringer audio generate, DTMF tone generation, speech audio circuits, hook-switch, and flash.

- The PTA12-100 provides speech audio circuits, hook switch, ring indication, flash, hold redial, serial data communications, backlighting, display, speed dial, Globalstar™ Interfaces with the airborne telephone system transceiver satcom status, DTMF tone generation and ringer audio generate.
- Includes serial port for data communications to sitcom systems
- LED dot matrix character display with brightness control
- Indicates Globalstar™ satcom signal strength and system availability status with LED lit text on the front panel

PTA12-300 ADAPTER WITH NVIS DISPLAY

The PTA12-300 provides speech audio circuits, hook switch, ring indication, flash, hold, redial, serial data communications, backlighting, display, speed dial, Globalstar™ satcom status, DTMF tone generation, and ringer audio generate. This unit shares many of the same features as the PTA12-100 but includes NVIS-compliant components.

- Equipped with a front panel keypad with NVIS-compliant backlighting
- Dot matrix LED display has brightness control feature and is filtered to meet NVIS radiance requirements

Weight:	PTA12-000: 0.63 lb PTA12-100 & PTA12-300: 0.8 lb
Dimensions:	PTA12-000: 4.17 × 5.75 (max) × 1.12 in PTA12-100 & PTA12-300: 4.17 × 5.77 (max) × 1.52 in
Certification:	DO-160D

EDMO#	MFR#	DESCRIPTION
PTA12-100	PTA12-100	Telephone adapter with display
PTA12-104	PTA12-104	Telephone adapter | Gray
PTA12-300	PTA12-300	Telephone adapter | NVIS display
INSTALLATION KIT		
KT004	KT004	Installation kit | Includes DB-25 connector, backshell, and pins

DT-100 HANDSET

DEKLIN TECHNOLOGIES



The DT100 is a lightweight and comfortable handset for modern aircraft telephone systems that compliments will the aircraft's cabin decor. Advanced features such as a noise reducing microphone, adjustable volume control, and user-friendly operation are included. Additionally, last number redial, 10 memory speed dial numbers, flash, hold, and mute features are also provided. A lighted keypad assists users with operating the handset, and a locking base provides security and flexible mounting. The Tip and Ring telephone circuit allows the DT100 to be connected to most general aviation transceivers.

EDMO#	MFR#	CONNECTOR	BASE
DT100-202	DT100-202	RJ11/dB9 pin	Locking Base
DT100-302	DT100-302	RJ11/dB9 pin	Locking Cradle

INTERFACES & ACCESSORIES

REMOTE TRANSMIT SELECTOR PANEL

ANODYNE ELECTRONICS MFG CORP



RTS01-001

The RTS01 remote transit selector adds capabilities and functions to any existing analog audio system to offer operators the benefits of remote transmit section (RTS), RX Activity Indication, and audio system expansion. Installation is designed to be simple with little to no impact on existing audio system wiring. The use of an external toggle switch allows pilots and operators to select a transceiver without the need to reach for the audio panel during busy flight operations so that full attention remains on critical aircraft controls and operations. The RX Active feature allows pilots and operators to monitor which transceiver is currently active so that they can determine which radio they are actually listening to at any one time; the RX annunciator illuminates to show which transceiver is currently active regardless of which audio input is selected. The RTS expansion capability allows additional transceivers to be added to the communications system without having to remove and replace the entire audio system. Snap-in legends provide the ability to customize the label on each transceiver channel. Snap-in legends are required for operation but not included with the RST01 unit.

- An external toggle switch connected to the flight controls provides hands-free selection of transceiver channels
- The RTS01 may be incorporated as expansion panel with support for up to 7 transceivers
- A wrap-around feature can be enabled or disabled for incrementing and decrementing transceiver selection when using an external toggle switch
- An RX ONLY feature allows received audio for com 5, 6, and 7 to be individually monitored regardless of which transceiver is selected
- Night vision goggle (NVG) mode available on some models; available with NVIS Green A backlighting and NVIS Green B annunciators

Weight:	0.8 lb
Dimension:	0.75 × 5.00 × 5.75 in (max.) 0.75 × 4.56 × 5.00 in (behind the panel)

Input operating voltage:	28 VDC, nominal 30.3 VDC, maximum 22 VDC, minimum 18 VDC, emergency
Input power requirements:	400 mA (max.) @ 28 VDC nominal 1.0 mA (max.) @ 5 VDC; 1.0 mA (max.) @ 28 VDC (max.)
Faceplate:	Lexan polycarbonate
Altitude:	35,000 ft (max.)
Temperature range:	Operating: -40°C to 70°C Survival: -55°C to 85°C
Connectors:	1 × 44 pin D-sub plug (male) 1 × 44 pin D-sub socket (female) V5 locking hardware
Mounting:	Standard Dzus mounting (four fasteners)

EDMO#	MFR#	DESCRIPTION
RTS01-001	RTS01-001	RTS-01 / standard lighting*
RTS01-001N	RTS01-001N	RTS-01 / NVIS lighting*
INSTALLATION KIT		
D44S44PV	D44S44PV-IKC	Installation kit for RTS01 units

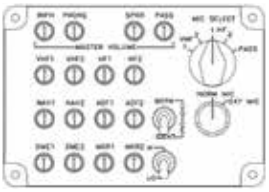
**Snap-in legends are not included and must be ordered separately (7 legends required). Legend part numbers 155-06-xxxx (see table below)*

RTS01 LEGEND CAPS				
Blank	ADF	AUX	ADF1	ADF2
AUX1	AUX2	BLUT	COM1	COM2
COM3	COM4	DME	DME1	DME2
DPLR	FM1	FM2	FM3	FM4
GSM	HF	MKR	MUSC	NAV
NAV1	NAV2	OFF	PA	SAT
TAC1	TAC2	TAC3	TAC4	TACN
TEL	UHF	VHF1	VHF2	WICS

See edmo.com for the full list of available legends.

DIGITAL SWITCH PANEL

CANYON AERONECT
EDMO# 802-009
MFR# 802-009



The 802-009 Digital Switch Panel is designed to control a single Model 700-xxx Digital Audio Control Amplifier. This switch panel provides microphone audio switching and keying operation and keying operation for four radio transmitters, as well as control for antenna switching units, MKR receiver sensitivity, and PA amplifiers. The 802-009 continuously reads the status of its audio control switches and sends a digital signal to the Model 700 over a RS422 connection.

- 12 receiver input switches and individual volume controls
- 4 sidetone input switches with sidetone volume
- 3 microphone inputs
- Antenna switching
- Headphone volume control
- NAV/ADF voice/ident filter switching function

Weight:	3 lb
Dimensions:	3.93 x 6.03 x 5.67 in
Faceplate:	Gray with white text
Altitude:	70,000 ft
Temperature range:	-55°C to 70°C
Mounting:	Panel mount with (4) 8-32 screws
Connector:	55-pin circular
Qualifications:	In accordance to: DO-160C Env. Cat. [A2F2]-BA[CL] XXXXXXZ[BZ]AZZUZLXX
Certification:	TSO-C50c (RTCA/DO-160C, RTCA/DO-178A Level 2)

SWITCH PANEL CONTROLLER

CANYON AERONECT
EDMO# NAT803
MFR# 803



The Model 803 Switch Panel Controller is designed to control a single Model 700 digital audio control amplifier. It provides microphone audio amplification, switching and keying operations for up to five radio transmitters, as well as fail-safe bypass control, and interphone switching control. This audio switch controller continuously reads the status of its audio control switches and sends a digital signal to the Model 700 over a RS422 connection.

- 15 receiver and 6 sidetone input switches and volume controls
- Control over microphone input, interphone switch, and cockpit speaker, headphone volume, and NAV/ADF Voice/Ident functions

Dimensions:	5.750 x 4.120 x 6.000 in
Faceplate:	Continuously back-lit
Altitude:	Up to 70,000 ft
Temperature range:	-55°C to 70°C
Mounting:	(4) 6-32 screws
Connector:	61-pin D38999 Type III circular connector
Qualifications:	RTCA DO-160C and DO-178A
Certification:	TSO-C50c

DIGITAL AUDIO AMPLIFIER

CANYON AERONECT



The Model 700 Digital Audio Amplifier pairs with Model 800 Series Digital Audio Controllers which are commonly used in corporate and special mission fixed-wing aircraft like the Beechcraft King Air. The combination of these units provides microphone audio switching and keying operations for radio transmitters, receivers, and passenger address amplifier control.

- 15 receiver/transceiver inputs that can be used along with six dedicated audio sidetone inputs
- 4 unswitched and unmuted auxiliary inputs and interphone
- Audio outputs include headphone, cockpit speaker, CVR, selected COMM, and interphone

Weight:	1.6 lb
Dimensions:	1.13 x 5.1 x 10.45 in
Power:	28 V / 1 A max.
Speaker Output:	10 W @ 4Ω (rated), 8 W @ 8Ω (continuous)
Headphone Output:	107 mW (rated), 27 mW (continuous), @ 150Ω
Frequency Response:	Flat within 3 dB, 350–6,000 Hz
Certification:	TSO-C50C Compliance, DO-160C, DO-178A Level 2

**continued on next page*

EDMO#	MFR#	DESCRIPTION
700-003	700-003	Levels set for special mission Learjet 35 with 4-station interphone
700-007	700-007	Calibrated for Raytheon Hawker 800XP

AA38-XXX LOCAL ICS LOOPS

CANYON AEROCONNECT



AA38-502

The AA38 Series Local ICS loops are remote, bulkhead mounted units that support a wide variety of ICS loop applications, particularly isolation/ICS amplifier use, where the output is required to be headset or line level. The AA38 units can be connected to larger audio systems via a switch-selectable NAT/Andrea or NAT/SuperNAT ICSS tie-line. An auxiliary input allows audio input from an audio panel or transceiver.

- ICS level and VOX sensitivity adjustments are provided for each headset position and for the AUX level
- PTT drop cords can be added and configured to allow individual selection of headset volume, intercom operation in VOX, LIVE, or PTT mode, and independent TX PTT capability for AA38 models equipped with TX functions
- Small and compact to fit into areas with limited space
- Mapped interconnect simplifies the installation process
- AA38-5xx series provide live, VOX, or keyed ICS for 4 or 8 users (depending on model) with low impedance headsets
- AA38-6xx series provide live, VOX, or keyed ICS for 4 or 8 users (depending on model) with high impedance headsets
- AA38-7xx series provide an external ICS volume control and live, VOX or keyed ICS for 4 users with low impedance headsets
- AA38-8xx series local ICS loops provide an external ICS volume control, and live, VOX or keyed ICS for 8 users with high impedance headsets
- AA38-503, AA38-603, and AA38-703 models have prioritized transmit capabilities for all users with priority given to user #1 and lowest to user #4

Weight:	0.55 lb (AA38-300) 0.96 lb (AA38-301) 1.01 lb (AA38-380, -381) 1.14 lb (AA38-501, -504) 2 lb (AA38-502) 0.80 lb (AA38-601) 1.37 lb (AA38-602) 1.20 lb (AA38-603) 1.44 lb (AA38-802)
Dimensions:	1.25 x 6.75 x 6.75 in (AA38-300) 2.25 x 6.75 x 4.50 in (AA38-301) 2.31 x 4.60 x 4.50 in (AA38-380, -381) 4.88 × 5.91 × 1.18 in (AA38-501, -504) 4.88 × 5.91 × 2.26 in (AA38-502) 4.88 × 5.91 × 1.18 in (AA38-601) 4.88 × 5.91 × 2.26 in (AA38-602) 4.88 × 5.91 × 1.9 in (AA38-603) 4.95 × 5.94 × 1.94 in (AA38-802)
MIC inputs:	4 or 8 mic inputs: 0.250 mV/5W
Headset outputs:	4 or 8: 100 mW @ 8 or 600W Balanced output for high common mod noise rejection
ICS tie line:	1 or 2: 1.6 kW (NAT) or 250W for (Andrea) 2 ± 0.2 kW for NAT and SuperNAT
AUX input:	1 or 2: 1W
Material/finish:	5052-H32 brushed aluminum with chromate conversion finish
Temperature range:	-45°C to 55°C
Mounting:	Bulkhead mount with four 10-32 screws
Connectors:	filtered male 37—in D-subminiature connector with positronics V5 locking tabs. (Two in the AA38-502, -503, -602, -603, -703, and -802)

EDMO#	MFR#	DESCRIPTION
4 PLACE INTERCOM		
AA38-501	AA38-501	LO Z local ICS loop, 1 ICS tie line, 1 AUX input, LIVE, VOX or PTT operation
AA38-503	AA38-503	Lo Z, TX PTT Transmit
AA38-504	AA38-504	LO Z local ICS loop, 1 ICS tie line, 1 AUX input, LIVE, VOX or PTT operation
AA38-505	AA38-505	Hi Z, for 150Ω dynamic microphones, i ICS tie line, 1 aux input, LIVE, VOX or PTT operation
AA38-601	AA38-601	Hi Z local ICS loop, 1 ICS tie line, 1 AUX input, LIVE, VOX or PTT operation
4 PLACE INTERCOM WITH TRANSMIT		
AA38-603	AA38-603	Hi Z local ICS loop, 1 ICS tie line, 1 AUX input, LIVE, VOX or PTT operation, individual TX PTT for each user (ascending priority)
8 PLACE INTERCOM		
AA38-300	AA38-300	Local ICS loop, 1 ICS tie lines, 1 AUX inputs, HOT MIC or VOX operation
AA38-502	AA38-502	LO Z local ICS loop, 2 ICS tie lines, 2 AUX inputs, LIVE, VOX or PTT operation
AA38-602	AA38-602	Hi Z local ICS loop, 2 ICS tie lines, 2 AUX inputs, LIVE, VOX, or PTT operation
AA38-802	AA38-802	Hi Z with master volume, 2 ICS tie lines, 2 RX input, LIVE, VOX, or PTT operation
16 PLACE INTERCOM		
AA38-301	AA38-301	Selectable NAT or Andrea tie line, 2 ICS tie lines, 2 AUX input, HOT MIC or VOX mode operation
AA38-381	AA38-381	Selectable NAT, ICS, or Andrea Tie Lines, ICS, 1 AUX, and VOX volume control, VOX, HOT MIC and VOX mode operation
INSTALLATION KITS		
AA38-IKC	D37SL-IKC	Installation crimp kit
EDI-38C	--	AA38-300 installation kit
D37PV-IKC	D37PV-IKC	D37PV-IKC Install kit
D37SL-IKC	D37SL-IKC	D37SL-IKC crimp installation kit

UNIVERSAL RADIO INTERFACE

CANYON AEROCONNECT

The AA34 Universal Radio Interface meets the interface and switching requirements of mobile or CB radio systems when integrated into an aircraft audio system. These units provide microphone excitation, relay keying, and sidetone generation, all fully isolated from airframe ground.

AA34-200



- Higher RX output into the aircraft audio system
- Mobile/FM radio interface
- Provides floating key lines
- Internal RX and sidetone amplifier
- Provides floating audio lines in and out
- Internal mic exciter with adjustable output
- Internally selectable functions and levels

AA34-300



- Has an amplified mic channel and is TSO certified
- Mobile/FM radio interface
- Provides floating key lines
- Internal RX, sidetone and microphone amplifiers
- Provides floating audio lines in and out
- Internal mic exciter with adjustable output
- Internally selectable functions and levels
- Designed to meet the requirements of TSO-C50c

Weight:	AA34-200: 0.63 lb AA34-300: 0.40 lb
Dimensions:	2.71 x 4.54 x 1.3 in
Input power:	+13.8 VDC±10% or 27.5 VDC ±10% (selected by appropriate pin) AA34-200: 160 mA AA34-300: 70 mA
Input signals:	mic: 250 mVrms @ 150 W ±10% audio: 2.5 Vrms @ 600 W ±10% AA34-200 mic: 225 mVrms @ 150 W AA34-200 audio: 2.5 Vrms @ 600 W ±10% AA34-300 mic: adjustable to 1.5 Vrms max into 600 W or 178 mVrms into 8 W AA34-300 audio: 100 mW into 8 or 600 W nominal frequency response: <3 dB from 350 Hz to 6 kHz distortion: <10% @ rated output noise level without signal: >50 dB don from rated output
Mounting:	Bulkhead mount with four 10–32 screws
Connections:	AA34-200: 25 pin male D-sub AA34-300: 25 pin male filtered D-sub
Altitude:	AA34-200: 15,000 ft (tested to 25,000 ft) AA34-300/301: 35,000 ft
Certification:	AA34-300: DO-160C

EDMO#	MFR#	DESCRIPTION
AA34-200	AA34-200	Base unit with higher RX output
AA34-300	AA34-300	TSO'd unit with amplified mic channel
INSTALLATION KIT		
D25SM-IKC	D25SM-IKC	Crimp installation kit for AA34

TA SERIES QUARTER TURN FASTENER TRAY ADAPTERS

The TA Series Tray Adapters convert common size Dzus mount products into 6.25-inch tray mount products. Essentially, the TA Series makes it possible for technicians to flush mount mixed avionics quickly and easily while eliminating variations in instrument height and mount designs create polished, coordinated looking instrument installations.


TA03-001


TA06-001


TA07-001

- Constructed with high quality CNC-milled aluminum
- No adjustments required
- Reduces the need for stocking Dzus and tray mounts
- Reduces installation and labor time
- Fits different mounting sizes
- Black in color
- Tested to DO-160D vibration and shock standards for equipment < 5 lb

EDMO#	MFR#	SIZE	HOLES	FITS PRODUCT
TA03-001	TA03-001	1.16 in	3	AA12, AA21, AA20/22, AA30
TA04-001	TA04-001	1.55 in	4	AA24, PTA12-100
TA05-001	TA05-001	1.92 in	5	AA95, ACP51, AMS42/44, NPX138N
TA06-001	TA06-001	2.30 in	6	TH250/350
TA07-001	TA07-001	2.67 in	7	N301A, NPX136D, AA25
TA08-001	TA07-001	3.05 in	8	3110, ACP53, AA97

AIRLINK 2085 INTEGRATED HEADSET

GLOBAL-SYS MOBILITY & AWARENESS



The Airlink 2085 Integrated Headset provides wireless audio communication in noisy environments. Several headsets can be connected together to form a wireless communication group. Also, this wireless headset can be linked to a fixed console that is located in another location, such as a control room. It is available in black, orange or yellow.

- Audio conference between up to 4 or 5 operators
- Full-duplex communication (simultaneously transmit and receive)
- Interference and noise free wideband audio (100Hz/7KHz)
- Removable battery pack
- Can operate from a 550 mAh lithium battery or 2xAA standard batteries, batteries not included
- Up to 14 hours of constant communication
- Direct Headset to Headset connection without a base unit for de-icing and maintenance operations
- Extremely robust against weather conditions such as rain, snow, or wind
- Encrypted digital system preventing local networks from disturbing communication
- USB configurable using a PC
- 1.9 GHz Dect technology provides reliable radio band communication
- Option to connect an external VHF or TETRA radio, or a cellphone (wired or bluetooth)

EDMO#	MFG#	DESCRIPTION
WI407	WI/WH407	--
WH443-2085	WH443 XXX	Voice Activated

AIRLINK 2085 WIRELESS ICS PORTABLE BASE UNIT

GLOBAL-SYS MOBILITY & AWARENESS

EDMO# WI406A
MFR# WI406A



The Airlink 2085 Wireless ICS Portable Base Unit provides full-duplex communication between flight crews and up to five ground support users with a range exceeding 300 yards. It easily plugs into the ICS port on commercial airliners, offering wireless communication. Powered by either three AAA batteries or an optional 2350mAh lithium battery pack, it supports up to 20 hours of continuous use. The unit is USB-configurable via PC or laptop and comes with a single plug connector, protective rubber housing, and a "Remove Before Flight" flag.

- 4 simultaneous users in full duplex
- Vocal alarm
- Certified for Europe, US, Brazil, Japan, and more
- Plug and play with all civil aircraft (Airbus, Boeing, Embraer, etc.)
- Removable li-ion battery Pack or standard AA/AAA elements
- No latency time
- Charging through USB-C (li-ion / NiMH)

Audio Frequency	100 Hz to 6 kHz
Radio Frequency	1,791 MHz to 1,928 MHz

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Range	300 yd
Battery Type	2,350 Ah Lithium-ion
Battery Life	20 hr of continuous
Battery Charge Time	120 min

AIRLINK 2085 WIRELESS WIRELESS ICS MOBILE BELT PACK

GLOBAL-SYS MOBILITY & AWARENESS
EDMO# WI406B
MFR# WI406B



The Airlink 2085 Wireless ICS Mobile Unit is a belt pack designed for seamless communication for users of the Airlink 2085 Ground Support ICS System. It is compatible with any GSE headset featuring a single 6.35mm plug, enabling full-duplex wireless communication over a range of up to 1,000 feet. This system allows communication between up to 5 ground support users, plus flight crew when the WI406A Base Unit is connected to the aircraft. Powered by three AAA batteries or a 2350mAh Li-ion battery pack (not included), the mobile unit provides up to 20 hours of continuous use. It also includes the option to connect an external VHF radio or cellphone via a wired or Bluetooth connection, ensuring versatile and uninterrupted communication.

- 4 simultaneous users in full duplex
- Vocal alarm
- Certified for Europe, US, Brazil, Japan, and more
- Plug and play with all civil aircraft (Airbus, Boeing, Embraer, etc.)
- Removable li-ion battery Pack or standard AA/AAA elements
- No latency time
- Charging through USB-C (li-ion / NiMH)

Audio frequency	100 Hz to 6 kHz
Radio frequency	1,791 MHz to 1,928 MHz
Range	300 yd
Battery type:	2.350 mAh Lithium-ion
Battery life	20 hr of continuous usage
Battery charge time	120 min

AIRLINK 3085IA WIRELESS INTEGRATED HEADSET

GLOBAL-SYS MOBILITY & AWARENESS
EDMO# WH443
MFR# WH 443



The Airlink 3085 Wireless Integrated Headset Connects wirelessly to the fixed base station or field-adaptable mobile unit, without using any adapters, in high-noise environments. Ideal for aircraft ground crews or in situations where a helmet is not required. Provides communication up to 300 meters. No headset cable or belt pack is required when using this headset and features voice activation (VOX) with an adjustable threshold.

- Adjustable VOX threshold
- Configurable over USB using a Windows PC
- Up to 6-hours of battery operation

Weight	564 g
NNR	26 dB

AIRLINK 3085IA SUPREME WIRED HEADSET

GLOBAL-SYS MOBILITY & AWARENESS
EDMO# HEA452A
MFG# HEA452A



The Airlink 3085IA Airborne and Missions Supreme Wired Headset is stereo-capable and features talk-through microphones on the ear cups that mute automatically during loud `impulsive sounds like gunfire or blasts. With a rugged, low-profile design and water submersion capabilities, it is ideal for rescue diver and navy SEAL support operations. It offers 25 dB of passive noise attenuation and connects to the WI441A belt pack for a wireless ICS link to the base.

- Stereo-capability provides clear audio in stereo mode
- Talk-thru microphones automatically mute for loud noises like gunfire or blasts
- Offers 25 dB of passive noise reduction
- Built for durability with a low-profile fit
- Suitable for underwater operations, ideal for rescue and Navy SEAL support
- Connects to the WI441A belt pack for wireless communication with base systems
- 25 dB Noise Attenuation

AIRLINK 3085AI WIRELESS ICS MOBILE UNIT

GLOBAL-SYS MOBILITY & AWARENESS



The Airlink 3085 Mobile unit clips into a users belt and allows any headset or helmet to communicate wirelessly, in high-noise environments, with the

Airlink 3085 system at a range up to 300 meters.

- Adjustable VOX threshold
- Configurable over USB using a Windows PC
- Up to 6-hours of battery operation

Battery Life	14 hr
Battery Type	2,600 mAh Li-ion
Range	1,000 ft

EDMO#	MFR#	BELT PACK VERSION
WI441IP65	WI 441.IP65	IP65
WI441IP68	SET441AA50 B	IP68
BATTERY PACKS		
BAT441A	BAT441A	for IP65 belt pack
BAT441B	BAT441B	for IP68 belt pack

AIRLINK 3085IA WIRELESS BASE STATION

GLOBAL-SYS MOBILITY & AWARENESS

Airlink 3085IA base station provides wireless communications for up to eight crew members using either the wireless headset or mobile unit.

ADAPTABLE WIRELESS BASE STATION

EDMO# WI450
MFR# WI 450



- Connects directly to existing on-board
- ICS system in fixed- or rotory-wing
- Adaptable to various ICS systems or
- aircraft with different adapter cables
- Up to 20-hours of battery operation

WIRELESS FIXED-BASE STATION

EDMO# WI440A
MFR# WI440AA00



- Fixed-mount base station adaptable to every aircraft
- Range up to 300 meter from base
- Optional remote aircraft connection or optional radio modules

EDMO#	MFR#	DESCRIPTION
WI450	WI 450	Adaptable Wireless Base Station
WI440A	WI440AA00	Wireless Fixed-Base Station
ACCESSORIES		
BAT440A	BAT440A	Spare Battery for Adaptable Base Station

EXTENNA SWITCH

ICARUS INSTRUMENTS INC

The EXTenna Switch from Icarus Instruments allows handheld radios quick access to an existing external comm antenna for extended range while inside the cockpit. In the event of aircraft radio failure, a pilot can simply plugin any handheld radio, with the supplied RF cable, into the EXTenna Switch for continuing communications. It installs into the aircraft panel and permits the use of an existing VHF communication antenna, installed on the aircraft, to be used with any handheld VHF radio, allowing for extending the range and reliability of battery operated handheld radios. Regular handheld radio antennas are limited in range when used inside the aircraft cockpit. The EXTenna Switch solves this problem by eliminating the need to install a dedicated backup VHF communication antenna, saving installation cost and aerodynamic drag.



EXTSW-1



EXTPLATE

The EXTenna Switch is installed between an existing comm radio and the antenna. Any handheld radio can be used, with the supplied RF cable, and provides the handheld radio to use the aircraft's communication antenna. Plugging a handheld radio, discounts the comm radio and gives access to the handheld.

EDMO#	MFR#	DESCRIPTION
EXTSW-1	EXTSW-1	Mounts behind the panel
EXTPLATE	EXTPLATE	Optional mounting plate which allows the Extenna switch (EXTSW-1) to by mounted in an existing 2.25" cutout
EXTSWCBL	EXTSWCBL	Coaxial Cable | 4ft, BNC Male, 3.5 mm Plug

EDMO: YOUR SOURCE FOR END-TO-END MISSION SOLUTIONS

The public safety aviation sector has seen a rise in demand for smaller aircraft to carry out tactical missions—while maintaining the same levels of connectivity and capability. EDMO carries a full line of tactical communications equipment for light to medium rotary and fixed-wing aircraft. Consult with EDMO's TacCom experts today and find your mission ready solution. Give us a call at 1.800.235.3300 or visit edmo.com to view our full inventory of tactical communications equipment.

MISSION READY



GPS Components & Accessories

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RE-RADIATING KITS

L1 GPS PORTABLE NETWORK RE-RADIATING KITS

GPS NETWORKING



The L1 Portable Re-Radiating Kit (PNRRKIT) is similar to the Hangar Network GPS Re-radiating Kit in its ability to re-radiate GPS L1 signals indoors, except that it is a portable unit. The PNRRKIT consists of a re-radiating amplifier with a wall-mount plug-in transformer that powers the system, along with a passive L1 re-radiating antenna. The GPS signal is picked up by the roof antenna and then re-radiated indoors by the passive antenna for a distance of up to 100 feet.

RE-RADIATING AMPLIFIER ELECTRICAL SPECIFICATIONS TA = 250C	
Frequency Range:	1.1–1.7 GHz
In/out Impedance:	50 Ω
Gain:	29–31 dB
Gain Flatness:	0.5 dB (typical), 1 dB (max.)
Peak Gain:	3 dBic
Input SWR:	1.8:1
Output SWR:	1.5:1
Noise Figure:	3.3 dB (typical), 3.5 dB (max.)
Reverse Isolation:	35 dB
Polarization:	RHCP
Kit Includes:	Re-radiating Antenna, 110V Amplifier (with Wall Mount Plug-in)

EDMO#	MFR#	DESCRIPTION
PNRRKIT110	PNRRKIT-N/5/110	GPS L1 Portable Re-Radiating Kit | N Connector
PNRRKIT-MC	PNRRKIT-MC	GPS L1 Portable Re-Radiating Kit | MC Connector
VARIABLE GAIN & LCD DISPLAY		
VGLCDHNRR	VGLCDHNRRKIT-N	GPS L1 Kit: N Connector, 110V, push button control in 1dB increments
VGLCDHNRRB	VGLCDHNRRKIT-BNC/5/110	GPS L1 Kit: BNC Connector, push button control
VGLCDPNRRK	VGLCDPNRRKIT	GPS L1 Networked Re-Radiating Kit: Push button control

L1 GPS HANGAR NETWORK RE-RADIATING KITS

GPS NETWORKING



Making it easier than ever to transmit GPS signals throughout a facility or worksite, the Hangar Network GPS Re-Radiating Kit (HNRRKIT) is a system that makes it possible to re-radiate the GPS L1 signal indoors. The kit includes an active roof antenna, a re-radiating amplifier with a wall-mount plug-in transformer that powers the entire system, and a passive re-radiating antenna. If a receiver has a line of sight with the indoor re-radiating antenna, it can receive GPS signals up to 100 feet away (indoors), making it an ideal product for customizing a GPS network.

- Provides L1 GPS coverage indoors up to 100 feet away
- Roof antenna amplifier provides GPS signals with a gain of ≥35 dB
- Powered re-radiating amplifiers provide a typical gain of 30 dB

RE-RADIATING AMPLIFIER ELECTRICAL SPECIFICATIONS TA = 250C	
Frequency Range:	1.1–1.7 GHz
In/out Impedance:	50 Ω
Gain:	29–31 dB
Gain Flatness:	0.5 dB (typical), 1 dB (max.)
Input SWR:	1.8:1
Output SWR:	1.8:1
Noise Figure:	3.3 dB (typical), 3.5 dB (max.)
Reverse Isolation:	35 dB
Kit Includes:	L1 Roof Antenna, Indoor Re-radiating Antenna, 110V or 220V Amplifier (with Wall Mount Plug-in)

EDMO#	MFR#	CONNECTOR TYPE
110V		
HNRRKIT-1B	HNRRKIT-110-BNC	BNC
HNRRKIT-1S	HNRRKIT-110-SMA	SMA
HNRRKIT-1T	HNRRKIT-110-TNC	TNC
HNRRKIT110	HNRRKIT-110-N	N
HNRRKIT-1B	VGLCDHNRRKIT-BNC/5/110	BNC
220V		
HNRRKIT-2B	HNRRKIT-220-BNC	BNC
HNRRKIT-2S	HNRRKIT-220-SMA	SMA
HNRRKIT-2T	HNRRKIT-220-TNC	TNC
HNRRKIT220	HNRRKIT-220-N	N
UK 240V		
HNRRKIT240	HNRRKIT-240-UK-N	N
VARIABLE GAIN		
VG HNRRKIT	VGHNRRKIT-TNC/5/110	TNC
ACCESSORIES		
ADAPTER-N	ADAPTER	Adapter/N male pin to SMA male pin

L1/L2 GPS/GNSS HANGAR NETWORK RE-RADIATING KITS

GPS NETWORKING



The GPS L1/L2 GNSS Hanger Re-Radiating Kit (L1/L2GHNRRKIT) is a system that makes it possible to re-radiate the GPS L1/L2 signal as well as the other GNSS frequencies (including Galileo, GLONASS, Beidou, and Omnistar indoors). The kit includes an active L1/L2 GNSS roof antenna, a re-radiating amplifier with a wall-mount plug-in transformer that powers the entire system, and a passive L1/L2 GNSS re-radiating antenna. If a receiver has line of sight with the re-radiating antenna, it can receive the GNSS signal up to 100 feet away (indoors), making it an ideal product for customizing a GNSS network.

- High-gain roof antenna amplifies GPS signals of 30 dB
- Powered re-radiating amplifiers provide a typical gain of 30 dB

RE-RADIATING AMPLIFIER ELECTRICAL SPECIFICATIONS TA = 250C	
Frequency range:	1.1–1.7 GHz
In/out impedance:	50 Ω
Gain:	29–31 dB
Gain flatness:	0.5 dB(typical), 1 dB (max.)
Peak gain:	3 dBic
Input SWR:	1.8:1 dB
Output SWR:	1.5:1

RE-RADIATING AMPLIFIER ELECTRICAL SPECIFICATIONS TA = 250C	
Noise figure:	3.3 dB (typical), 3.5 dB (max.)
Reverse isolation:	35 dB
Polarization:	RHCP
Kit includes:	L1/L2 Roof Antenna, Indoor Re-radiating Antenna, 110V Amplifier (with Wall Mount Plug-in)

EDMO#	MFR#	CONNECTOR TYPE
L1/L2HNRR	L1/L2GHNRRKIT-N	N
L1/L2HNRRB	L1/L2GHNRRKIT-BNC	BNC
L1/L2HNRRS	L1/L2GHNRRKIT-SMA	SMA
L1/L2HNRRT	L1/L2GHNRRKIT-TNC	TNC
VARIABLE GAIN AMP & LCD DISPLAY		
L1L2VGLCDN	L1/L2VGLCDGHNRRKIT-N	N
VARIABLE GAIN, LCD DISPLAY, EMI SHIELDING, & HERMETICALLY SEALED		
EHSVGLCD	EHSVGLCDHNRRKIT - B/5/110	BNC

RE-RADIATING KIT ANTENNAS & ACCESSORIES

EDMO#	MFR#	DESCRIPTION	CONNECTOR TYPE
RE-RADIATING ANTENNAS			
L1GPSA-N	L1GPSA-N	Active GPS L1	N
L1RRKPA-B	L1RRKPA-B	Passive GPS L1	BNC
L1RRKPA-N	L1RRKPA-N	Passive GPS L1	N
L1RRKPA-S	L1RRKPA-S	Passive GPS L1	SMA
L1RRKPA-T	L1RRKPA-T	Passive GPS L1	TNC
L1L2GRRKPA	L1/L2GRRKPA-N	L1/L2/L5 Galileo/GLONASS Omnistar Passive Antenna	N
L1/L2GRRKP	L1/L2GRRKPA-T	GPS L1/L2/L5 Galileo/GLONASS Omnistar Passive Antenna	TNC
ACCESSORIES			
L1/L2FPDCN	L1/L2FPDC-N	L1/L2 GPS Filter (Pass DC) - N connector	
L1/L2 RAMB	L1/L2GRAMB	L1/L2 Rooftop GPS Mounting Kit | for L1/L2GPSA-T or L1GPSA-N Antennas	
LMR400/1	TIMLMR400/1, TIMLMR-400-500	Braided coax cable	
RAMB-L1	RAMB L1	L1 roof antenna mounting bracket	
RFB1106-I	RFB1106-I	BNC/coax male crimp connector	
RFN1006-3I	RFN1006-3I	N/coax male crimp connector	
RFT1202-I	RFT1202-I	TNC/coax male crimp connector	
RSA3000-I	RSA3000-I	SMA/coax male crimp connector	
WRUMT	WRUMT	Amplifier mount	

GPS ITS INDOOR SIGNAL RE-RADIATING KIT

GPS NETWORKING
EDMO# GPS-ITS
MFR# GPS-ITS



The GPS ITS indoor testing solution allows re-radiation of GPS L1 signals indoors. This kit includes an active roof antenna, a re-radiating amplifier with a wall mount and plugin transformer to power the entire system, as well as a passive re-radiating antenna. GPS receivers will be able to receive GPS signals within 100 feet of the re-radiating antenna of line-of-sight.

- Provides ≥35 dB gain with the amplified roof antenna
- Variable gain amplifier with LCLD display and push button control
- Includes mounting kit hardware, roof antenna, and re-radiating mount
- LMR 400 ultra-flex cable (50 ft)

Frequency:	1.575 GHz, typical
Bandwidth:	20 MHz
Pre-amp Gain:	35 dB, 38 dB (max.)
DC Input Voltage:	4.5–5.5 VDC
Output SWR:	2.0:1
Noise Figure:	2.75 dB
Current:	22 mA
Kit includes:	L1 GPS Antenna, Roof Antenna Mount (L1AMB), Amplifier Mounting Bracket (WRUMT), Variable Gain, Re-radiating Amplifier, Passive Antenna, 50 ft of LMR400 Cable

XM/SIRIUS SATELLITE RADIO RERADIATING KIT

GPS NETWORKING
EDMO# XMSRRKIT
MFR# XMSRRKIT



The XM/Sirius re-radiating kit is a complete re-radiating system that makes it possible to re-radiate XM and Sirius satellite radio signals indoors or in other environments where it is not possible to receive satellite signals. The XMSRRKIT consists of an active roof antenna, a re-radiating amplifier with a wall-mount plug-in transformer that powers the entire system, and a passive re-radiating antenna. This system receives XM or Sirius signals via the roof antenna and then amplifies and re-radiates the signal indoors over distances up to 100 feet. (Actual re-radiated distance is determined by the cable length and type between the roof antenna and re-radiating amplifier and retransmit antenna.)

- Roof antenna signal is amplified and radiated indoors

ROOF ANTENNA ELECTRICAL SPECIFICATIONS OPERATING TEMPERATURE -40° TO 185°F	MIN	TYP	MAX	UNITS
Frequency:	2332.5		2345	MHz
Bandwidth:		12.5		MHz
Out impedance:		50		Ohms
Pre-amp Gain:		30		dB
Noise Figure:		1.0		dB
Polarization:		LHCP		circular
Current Draw:			70	mA
Required DC Input Voltage:	5.5	6.0	6.5	Vdc

RE-RADIATING AMPLIFIER ELECTRICAL SPECIFICATIONS OPERATING TEMPERATURE -40° TO 185°F	MIN	TYP	MAX	UNITS
Frequency Range:	1.0		3.0	GHz
In/out Impedance:		50		Ohms
Gain:		18		dB
Input SWR:			1.8:1	-
Output SWR:			1.8:1	-
Noise Figure:	2.0			dB
Current:		25		mA

RE-RADIATING ANTENNA ELECTRICAL SPECIFICATIONS, TA=250C

	MIN	TYP	MAX	UNITS
Frequency:	2320		2345	MHz
Bandwidth:		25		MHz
Impedance:		50		Ohms
Peak gain:		3		dBic
Output SWR:			1.5:1	-
Polarization:		RHCP		

RE-RADIATING AMP SYSTEM POWER SUPPLY OPTIONS

	Voltage Input	Style
Source Voltage Options	110 VAC	Transformer (Wall Mount)
	220 VAC	Transformer (Wall Mount)
	240 VAC (UK)	Transformer (Wall Mount)
	Customer Supplied DC	Military Style Connector
	9-32 VDC	

RE-RADIATING AMP

Normal Gain	Gain = 18 dB
Additional Gain	Gain = 36 dB

RE-RADIATING AMP RF CONNECTOR OPTIONS

	Connector Style	Charge
Connector Options	Type N	NC
	Type SMA	NC
	Type TNC	NC
	Type BNC	NC

MECHANICAL SPECIFICATIONS

Amplifier/Re-radiating Box Weight:	2.75 lb
Roof Antenna Weight:	1.75 lbs (including mounting hardware)
Amplifier/Re-radiating Antenna Box Dimensions:	4 x 4 x 4.5 in
Radome Dimensions:	3.75 x 3.75 in
Arm Length:	8 in
Mounting Bracket:	4.75 x 2.75 in
Roof Antenna Connector:	F Connector (adapter included to convert to N-female)
Amplifier Box Input Connector:	N-Female
Kit Includes:	Amplified Roof Antenna; Gain ≥ 30 dB, Re-radiating Amplifier with Power Supply; Gain ≥ 18 dB, Options for Mounting Kit Hardware and Additional Re-radiating Amp Gain



GPS RE-RADIATING AMPLIFIER

GPS NETWORKING
EDMO# NRRKAMP
MFR# NRRKAMP-N



Re-radiating the GPS signal indoors can be a significant benefit when performing indoor receiver testing and evaluation. Keep GPS systems ready on the fly from indoors to outdoors. Re-radiation kits transmit real-time satellite data throughout the facility, directly to an unlimited number of users. No more multiple cable runs, impedance problems, or running outside in foul weather for testing.

- Utilizes Existing Roof Antenna
- Re-Radiating Amp Gain Varies from approx. 0-23 dB Gain

Weight:	48 g max
Dimensions:	66 x 66 x 18 mm
Gain:	30dB
Center Frequency:	1575 ±3MHz
Connector:	SMA Jack
Bandwidth:	20 MHz min.at -10dB

NETWORKED RE-RADIATING AMPLIFIER

GPS NETWORKING
EDMO# RKAMPN5220
MFR# HNRRKAMP-N/5/220



This is a hanger-networked, re-radiating amplifier with an external power supply that powers the entire system of the GPS hanger-networked, re-radiating kit. Each HNRRKAMP ships with a test sheet that verifies critical performance characteristics, such as gain, input VSWR, and amplitude balance.

- Re-radiating amplifier with external power supply provides 30 dB gain

Weight:	9.6 oz (272 g)
Dimensions:	1.3 x 3.25 x 2.5 in
Operating Temperature:	-57°C to 87°C
Frequency Response:	1.1–1.7 GHz
Characteristic Impedance:	50Ω
Required DC Input Voltage:	3.3–15 VDC
Current Draw:	36 mA (typical), 40 mA (max.)
Gain:	29–31 dB
Input SWR:	2.0:1
Output SWR:	1.8:1 (typical), 2.0:1 (max.)
Noise Figure:	L1: 2.0 dB L2: 4.25 dB
Band Gain Flatness:	0.5 dB (typical), 1.0 dB (max.)
Group Delay:	L1: 1.5 ns L2: 2.1 ns
Reverse Isolation:	L1: -55 dB L2: -60 dB
Input P1dB:	L1: -21.5 dBm L2: -23 dBm
3rd Order Intercept:	-13 dBm
Source Voltage Option:	220VAC Transformer (ITA Type C Wall Mount)
Connector Option:	TNC connector

GPS SPLITTERS & AMPLIFIERS

AMPLIFIED GPS SPLITTER

GPS NETWORKING



ALDCBS1X2T

These GPS splitters (GNSS splitters) are one-input, multiple-output devices based on the Wilkinson splitter design. The frequency response covers the entire L-band (all GNSS frequencies) with excellent gain flatness. In the standard configuration, (J1) passes DC from the connected GPS device through the splitter to the input (antenna port). The other RF outputs are DC blocked and loaded with a 200Ω resistor to simulate the antenna current draw to prevent false antenna alarm faults.

- Excellent Gain Flatness: < 1.0 dB
- Extremely Flat Group Delay: Less than 1 ns variation
- Provides a typical amplifier gain of 22 dB
- Prevents antenna alarm faults from connected devices with 200Ω DC-blocked outputs

Frequency Range:	1.1–1.7 GHz
Impedance:	50Ω
Gain:	21 to 23 dB
Gain Flatness:	0.5 dB (typical), 1.0 dB (max.)
Input SWR:	2.0:1
Output SWR:	1.5:1
Noise:	3.3 dB (typical), 3.5 (max.)
Insertion Loss:	-3.6–6.0 dB
Amplitude Balance:	0.5 dB
Isolation:	16 to 24 dB
Phase Balance:	1°
Group Delay Flatness:	1 ns
Current Draw:	15 mA
Operating Temperature:	-40°C to 75°C
Finish Lid:	Anodize, Type II, Class 2, Black, per MIL-A-8625
Finish Housing & Base Plate:	Electroless Nickel Plated MIL-C-26074C Class 1, .0001-.0003 Max

EDMO#	MFR#	CONNECTOR TYPE
TWO OUTPUTS		
ALDCBS1X2	ALDCBS1X2-N	N
ALDCBS1X2B	ALDCBS1X2-BNC	BNC
ALDCBS1X2S	ALDCBS1X2-SMA	SMA
ALDCBS1X2T	ALDCBS1X2-TNC	TNC
MIL-ALDCBS	MIL-ALDCBS1X2-T	TNC
FOUR OUTPUTS		
ALDCBS1X4	ALDCBX1X4-N	N
ALDCBS1X4B	ALDCBS1X4-BNC	BNC
ALDCBS1X4S	ALDCBS1X4-SMA	SMA
ALDCBS1X4T	ALDCBS1X4-TNC	TNC
EIGHT OUTPUTS		
ALDCBS1X8	ALDCBX1X8-N	N
ALDCBS1X8B	ALDCBS1X8-BNC	BNC
ALDCBS1X8S	ALDCBS1X8-SMA	SMA
ALDCBS1X8T	ALDCBS1X8-TNC	TNC

MIL-SPEC AMPLIFIED GPS SPLITTER

GPS NETWORKING
EDMO# MILALDCBSS
MFR# MIL-ALDCBS1X2-S



These Mil-Spec amplified GPS splitters are based off the Wilkinson design and cover the entire L-band and GNSS frequencies with excellent gain flatness. All Mil-Spec GPS splitters pass the rigorous MIL-STD 810F testing procedures to be hermetically sealed, EMI shielded, and weatherproofed. Each DC block output is loaded with a 200Ω resistor to simulate antenna current draw for preventing false antenna alarm faults.

- 22 dB amplifier gain
- Passes all GNSS frequencies (L1 band)
- Military-qualified 1x2 splitter
- DC blocked outputs with 200Ω loads
- Phase-matched outputs
- Excellent gain flatness
- Prevents antenna alarm faults

Weight:	12 oz
Dimensions:	2.5 x 2.5 x 1.3 in
Gain:	22 dB
DC Option:	J1/Output 1 Pass DC 2 Output 2 Block DC Input Pass DC
Group Delay Flatness:	1 ns
Operating Temperature:	-40°C to 75°C
Connector:	SMA

LNFA1X4 AMPLIFIED GPS SPLITTER

GPS NETWORKING
EDMO# LNFA1X4-T
MFR# LNFA1X4-T



The LNFA1X4 amplified GPS splitter with low-noise circuitry has one input and four outputs that have a nominal gain of 0 dB. This device features a low-noise input section for establishing an overall system noise figure. Padded outputs provide excellent frequency selectivity for the L1 band for preventing interference from other high-power radio frequency sources, such as cellular transmitter stations. The GPS splitter will power itself with an external GPS antenna from a 5 VDC source connected on any of the RF outputs. A "hunt-and-pick" circuit allows the unit to select only one DC input for power in the event that more than one source is connected. The remaining DC ports are switched to a 200Ω resistor to simulate antenna current draw.

- 0 dB amplified unity gain
- L1 GPS filtered
- Extremely flat group delay (less than 1 ns variation)
- High isolation standard
- DC blocked output with 200Ω loads
- Excellent gain flatness

Weight:	16 oz
Dimensions:	6.5 x 2.5 x 1.4 in
Frequency Range:	1.1–1.7 GHz
In/out Impedance:	50Ω
Gain:	-1.5–1.5 dB
Noise Figure:	3.8 dB
Input Voltage:	4.5–5.5 VDC
Current Draw:	15 mA
Operating Temperature:	-40°C to 75°C

HIGH-ISOLATION AMPLIFIED GPS SPLITTER

GPS NETWORKING



NHIALDCBS4

The ALDCBS1 GPS Amplified Splitter is a one-input, multi-output device with a 17 dB minimum gain block. The frequency response covers the GPS L1 & L2 bands with excellent gain flatness. In the normal configuration, one of the splitter RF outputs (J1) passes DC from the connected GPS receiver through the splitter to the antenna, allowing the GPS receiver to power both the antenna and the splitter's amplifier. Each DC-blocked output is loaded with a 200Ω resistor to simulate the antenna current draw to prevent false antenna alarm faults.

- Excellent Gain Flatness (J1-J8) < 1.0 dB
- Extremely Flat Group Delay: Less than 1 ns variation
- Amplifier Gain: 4 dB typical
- Passes all GNSS frequencies (entire L-band)
- DC-blocked outputs feature 200Ω Loads
- Phase-matched outputs phase (J1-J8) < 1.0°

Frequency Range:	1.1–1.7 GHz
In/out Impedance:	50Ω
Gain:	4.5 dB
Input SWR:	2.0:1
Output SWR:	1.5:1
Noise Figure:	4 dB typical
Operating Temperature:	-40°C to 75°C
Finish Lid:	Anodize, Type II, Class 2, Black, per MIL-A-8625
Finish Housing & Base Plate:	Electroless Nickel Plated MIL-C-26074C Class 1, .0001-.0003 Max

EDMO#	MFR#	CONNECTOR TYPE
TWO OUTPUTS		
NHIALDCBS1	NHIALDCBS1X2-T/5/MC	TNC
FOUR OUTPUTS		
HIALDCBS4	HIALDCBS1X4-TNC	TNC
NHIALDCBS4	NHIALDCBS1X4-T/5/MC	TNC
EIGHT OUTPUTS		
NHIALDCBS8	NHIALDCBS1X8-T/5/MC	TNC
NHIALDCBS	NHIALDCBS1X8-S/5/MC	SMA

MIL-SPEC HIGH-ISOLATION AMPLIFIED GPS SPLITTER

GPS NETWORKING
EDMO# NHIALDCBS2
MFR# MIL-NHIALDCBS1X2-T/5/MC



This high-isolation, mil-spec, amplified GPS splitter is based on the Wilkinson design and covers the entire L-band, GNSS frequencies with excellent gain flatness. All Mil-Spec GPS splitters pass the rigorous MIL-STD 810F testing procedures to be hermetically sealed, EMI shielded, and weatherproofed. Each DC block output is loaded with a 200Ω resistor to simulate antenna current draw for preventing false antenna alarm faults.

- Hermetically sealed
- EMI shielded
- Amplifier gain: 6 dB typical
- Passes all GNSS frequencies (entire L-band)
- Extremely flat group delay
- Less than 1 ns variation
- Military-qualified 1X2 splitter
- MIL STD 810F, MIL STD 704, and MIL STD 1275B configured
- Excellent gain flatness
- DC-blocked outputs feature 200Ω loads
- Prevent antenna alarm faults from connected devices

Weight:	12 oz
Dimensions:	3.25 x 2.5 x 1.3 in
Operating Temperature:	-40°C to 75°C
Connector:	SMA

MINI LOADED DC BLOCKED SPLITTER

GPS NETWORKING
EDMO# MLDCBS1X2R
MFR# MLDCBS1X2-R2



This Mini Loaded DC Blocked Splitter 1X2 is a passive one-input, two-output RF splitter that splits signals from 1.1 GHz to 1.7 GHz. This equipment is designed to passively split signals within the L-band to provide multiple devices with the signal from a single antenna. In the standard configuration, the J1 port will pass DC voltage from a connected device and pass this power to the antenna or other devices up-line from the splitter. The other port (J2) is DC blocked and loaded with a 200Ω resistor to simulate antenna current draw, which prevents antenna alarm faults.

- Precise Amplitude Balance: Less than 1 dB variation between ports.
- Flat Group Delay: Less than 1 ns variation between L1 and L2.
- Low Insertion Loss: -3.5 dB loss is typical across all operating frequencies.
- Wide Accepted Frequency Range: Accepts signals from the entire L-Band, covering all major GNSS constellations.
- Efficiently Blocked Ports: Uses a 200Ω resistor to prevent antenna alarm faults from connected devices.
- Matched Phase Balance: Less than 2° of variation between ports.
- Smallest GPS Antenna Splitter in the World!

Frequency Range:	1.1-1.7 GHz
Characteristic Impedance:	50Ω
Max Input SWR:	2.0:1
Max Output SWR:	2.0:1
Insertion Loss:	-3 dB (min), -3.5 dB (typical), -4.5 dB (max)
Gain Flatness:	0.25 dB (typical), 1.0 dB (max)
Amplitude Balance:	0.1 dB (typical), 1.0 dB (max)
Phase Balance:	1 deg (typical), 2 deg (max)
Isolation:	L1:22 dB (min), 28.4 dB (typical) L2:15 dB (min), 17.3 dB (typical)
Group Delay Flatness:	0.5 ns (typical), 1.0 ns (max)

NETWORK AMPLIFIED ANTENNA SPLITTER

GPS NETWORKING



NALDCBS1X2

The NALDCBS1X2 networked GPS amplified splitter has one input and two outputs and is based on the Wilkinson splitter design. The frequency response covers the entire L-band (GNSS) frequencies with excellent gain flatness. In normal configuration, the RF output (J1) passes DC from a connected GPS receiver through the splitter and onto the antenna, allowing the GPS receiver to power both the antenna and the splitter's internal amplifier. Each DC-blocked output is loaded with a 200Ω resistor to simulate the antenna current draw to prevent false antenna alarm faults.

- Excellent gain flatness for all GNSS frequencies
- Phase-matched outputs (less than 1.0)
- DC blocked outputs with 200Ω loads

Frequency Range:	1.1–1.7 GHz
In/out Impedance:	50Ω
Gain:	21.0–23.0 dB
Input SWR:	2.0:1
Output SWR:	1.5:1
Noise Figure:	3.3–3.5 dB
Group Delay Flatness:	1 ns
Current Draw:	15 mA
Operating Temperature:	-40°C to 75°C

EDMO#	MFR#	CONNECTOR TYPE
TWO OUTPUTS		
NALDCBS12B	NALDCBS1X2-BNC	BNC
NALDCBS12S	NALDCBS1X2-SMA	SMA
NALDCBS12T	NALDCBS1X2-TNC	TNC
NALDCBS1X2	NALDCBS1X2-N	N
FOUR OUTPUTS		
NALDCBS1X4	NALDCBS1X4-T/5/MC	TNC
EIGHT OUTPUTS		
NALDCBS1X8	NALDCBS1X8-T/5/110	TNC

MILITARY AMPLIFIED GPS SPLITTER

GPS NETWORKING
EDMO# MIL-NALDCB
MFR# MIL-NALDCBS1X4-T/5/MC



The MIL-NALDCBS1X4-T/5/MC GPS Splitter (GNSS Splitter) is a one-input, four-output amplified splitter based on the Wilkinson splitter design. The frequency response covers the entire L-band (all GNSS frequencies) with excellent gain flatness. All Mil Spec splitters passed rigorous MIL-STD 810F testing detailed in the separate Qual Test Summary Certification.

- Hermetically sealed
- EMI shielded
- Amplifier gain: 22 dB typical
- Passes all GNSS frequencies (entire L-band)
- Extremely flat group delay
- Less than 1 ns variation
- Military qualified 1X4 splitter
- MIL STD 810F, MIL STD 704
- Excellent gain flatness
- DC-blocked outputs feature 200Ω loads
- Prevents antenna alarm faults

Weight:	12 oz
Dimensions:	2.5 x 2.5 x 1.3 in
Operating Temperature:	-40°C to 75°C
DC Option:	All DC Blocked Outputs include 200Ω Load Standard. Any port can be custom selected to Pass or Block DC.
Connector:	TNC

NETWORK ANTENNA SPLITTER

GPS NETWORKING



NLDCBS1X2

The NLDCBS1X passive, networked GPS splitter with one input and multiple outputs is based on the Wilkinson splitter design. The frequency response covers the entire GPS L-band (GNSS) frequencies with excellent gain flatness. In the standard configuration without external power, RF output (J1) passes DC from the connected GPS receiver, through the splitter, and onto the antenna, while the other RF outputs remain DC blocked. When optional external power is applied, the DC output voltage on all RF outputs becomes user-selectable. Each DC-blocked output is loaded with a 200Ω resistor to simulate the antenna current draw to prevent false antenna alarm faults.

- Operates on a 9-32 VDC military DC connector & provides DC output of 5 volts
- Excellent gain flatness for all GNSS frequencies
- Passes entire L-band (GNSS) frequencies
- Phase-matched outputs (less than 1.0)
- DC blocked outputs with 200Ω loads

Frequency Range:	1.1–1.7 GHz
In/out Impedance:	50Ω
Gain:	21.0–23.0 dB
Input SWR:	2.0:1
Output SWR:	1.5:1
Noise Figure:	3.3 dB (typical), 3.5 dB (max.)
Group Delay Flatness:	1 ns
Current Draw:	15 mA
Operating Temperature:	-40°C to 75°C

EDMO#	MFR#	CONNECTOR TYPE
TWO OUTPUTS		
NLDCBS1X2	NLDCBS1X2-T/5/MC	TNC
NLDCBS1212	NLDCBS1X2-T/12/MC	TNC (military connector)
FOUR OUTPUTS		
NLDCBS1X4-	NLDCBS1X4-T/5/MC	TNC
NLDCBS1X4B	NLDCBS1X4-B/5-MC	BNC
NLDCBS1X4N	NLDCBS1X4-N/5/MC	N
NLDCBS1X4S	NLDCBS1X4-S/5/MC	SMA

MIL-SPEC NETWORKED GPS PASSIVE SPLITTER

GPS NETWORKING
EDMO# MILNLDCBS
MFR# BMIL-NLDCBS1X3 SMA/12V/MC



Military-qualified networked antenna splitters feature one input and multiple output ports for distributing GPS signals to multiple antennas indoors. This military antenna splitter covers the GPS L1, L2, and L5, Galileo; and GLONASS frequency bands with excellent gain flatness. This splitter will accept any DC voltage from 9–32 VDC and send regulated 5 VDC to power the GPS antenna on port J1, while ports J2, J3, & J4 remain DC blocked.

- Military qualified to MIL-STD-810D, MIL-STD-461D, and MIL-STD-462 standards
- Reliable and dependable operation on military aircraft
- Low group delay of less than 1 ns
- Excellent gain flatness: typically 0.5 dB

Frequency Range:	1.1–1.7 GHz
Impedance:	50Ω
Input SWR:	2.0:1, max.
Output SWR:	1.5:1, typ. (2.0:1 max.)
Insertion Loss:	Ant J2: -7.0 dB to -5.7 dB (6.3 dB, typ.) Ant J3: -7.6 dB to -6.4 dB (-7.0 dB, typ.) Ant J4: -9.1 dB to -7.9 dB (-8.5 dB, typ.)
Gain Flatness:	0.5 dB typ. (1.0 dB max.) between L1 & L2
Isolation:	L2: 10 dB L1: 15 dB
Group Delay Flatness:	<1 ns
Source Voltage:	9–32 VDC
Output Voltage:	5V @ 130mA
Connector:	SMA

PASSIVE GPS SPLITTER

GPS NETWORKING



LDCBS1X4T

These GPS splitters are one-input, multiple-output devices based on the Wilkinson splitter design. The frequency response covers the GPS L1 & L2 bands with excellent gain flatness. In the normal configuration, one of the splitter RF outputs (J1) passes DC from the connected GPS receiver through the splitter to the antenna. The other RF outputs are DC loaded with a 200Ω resistor to block the DC voltage and to simulate the antenna current draw to prevent false antenna fault detection.

- Excellent gain flatness for all GNSS frequencies
- Passes entire L-band GNSS frequencies
- Prevents antenna alarm faults from connected devices with 200-DC blocked outputs

Frequency Range:	1.1–1.7 GHz
Impedance:	50Ω
Gain Flatness:	1.0 dB
Input SWR:	2.0:1
Output SWR:	1.5:1
Insertion Loss:	-3.6–6.0 dB
Amplitude Balance:	1.0 dB
Isolation:	20 dB
Phase Balance:	1°
Group Delay Flatness:	1 ns
Operating Temperature Range:	-40°C to 75°C
Finish Lid:	Anodize, Type II, Class 2, Black, per MIL-A-8625
Finish Housing & Base Plate:	Electroless Nickel Plated MIL-C-26074C Class 1, .0001-.0003 Max

EDMO#	MFR#	CONNECTOR TYPE
TWO OUTPUTS		
LDCBS1X2	LDCBS1X2-N	N
LDCBS1X2B	LDCBS1X2-BNC	BNC
LDCBS1X2S	LDCBS1X2-SMA	SMA
LDCBS1X2T	LDCBS1X2-TNC	TNC
FOUR OUTPUTS		
LDCBS1X4	LDCBS1X4-N	1x4
LDCBS1X4B	LDCBS1X4-BNC	BNC
LDCBS1X4S	LDCBS1X4-SMA	SMA
LDCBS1X4T	LDCBS1X4-TNC	TNC
EMI SHIELDED, TWO OUTPUTS		
ELDCBS1X2T	ELDCBS1X2-T	TNC

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MIL-SPEC PASSIVE GPS SPLITTER

GPS NETWORKING



MILLDCBS-T

These GPS splitters (GNSS splitters) are one-input, multiple-output devices based on the Wilkinson splitter design. The frequency response covers the entire L-band (all GNSS frequencies) with excellent gain flatness. All Mil Spec splitters passed rigorous MIL-STD 810F testing detailed in the separate Qual Test Summary Certification. The MIL-LDCBS1X2 is standard hermetically sealed, EMI shielded, weatherproofed, and configured with MIL-STD-704 or MIL-STD 1275B compliant power options. Each DC-blocked output is loaded with a 200Ω resistor to simulate the antenna current draw to prevent false antenna alarm faults.

Frequency Range:	1.1–1.7 GHz
Impedance:	50Ω
Gain Flatness:	1.0 dB
Input SWR:	2.0:1
Output SWR:	1.5:1
Insertion Loss:	-3.7 to -5.7 dB -4.6 typical
Amplitude Balance:	1.0 dB
Isolation:	20 dB min
Phase Balance:	1°
Group Delay Flatness:	1 ns
Operating Temperature:	-40°C to 75°C
Finish Lid:	Anodize, Type II, Class 2, Black, per MIL-A-8625
Finish Housing & Base Plate:	Electroless Nickel Plated MIL-C-26074C Class 1, .0001-.0003 Max

EDMO#	MFR#	CONNECTOR TYPE
TWO OUTPUTS		
MIL-LDCBS	MIL-LDCBS1X2-N	N
MILLDCBS-B	MIL-LDCBS1X2-BNC	BNC
MILLDCBS-S	MIL-LDCBS1X2-SMA	SMA
MILLDCBS-T	MIL-LDCBS1X2-TNC	TNC
FOUR OUTPUTS		
MILLDCBS4T	MIL-LDCBS1X4-TNC	TNC

GPS RF ATTENUATOR

GPS NETWORKING
EDMO# XXATTENPDC
MFR# XXATTENPDC-



The XXATTENDC GPS RF Attenuator is a one-input, one-output device with a constant attenuation anywhere in the range from 1 dB to 20 dB, as specified by the customer. The device is available in a miniaturized housing. The frequency response covers the GPS L1/L2 and GLONASS bands with excellent flatness. In the DC Blocked configuration, the RF output (J1) blocks DC from the connected GPS receiver through the attenuator to the antenna.

Weight:	3.13 oz. (88.7 grams)
Dimensions:	0.875 x 2.5 x 0.75 in
Operating Temperature:	-40° to + 75°C
Attenuation:	< 20dB

MINI NETWORK LINE ANTENNA AMPLIFIER

GPS NETWORKING



MLA20RDCBT

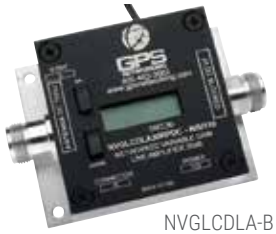
The MLA20RPDC GPS line amplifier provides a 20 dB minimum gain block in a miniature housing with one input and one output. The frequency response covers both the L1/L2 and GLONASS GPS bands with excellent gain flatness. In normal configuration, the RF output (J1) passes DC from a connected GPS receiver through the amplifier and onto the antenna allowing the GPS receiver to power both the antenna, and the mini amplifier.

- Small form factor 2.5 inches in length
- Extremely flat group delay with a variation of less than 1 ns
- Excellent 1 dB compression point, 3rd order intercept

EDMO#	MFR#	CONNECTOR TYPE
MLA20RDCBB	MLA20RDCB-BNC	BNC
MLA20RDCBN	MLA20RDCB-N	N
MLA20RDCBS	MLA20RDCB-SMA	SMA
MLA20RDCBT	MLA20RDCB-TNC	TNC

GPS VARIABLE GAIN LINE AMPLIFIER

GPS NETWORKING



NVGLCDLA-B

The VGLCDLA networked, variable-gain GPS line amplifier provides a selectable gain of 0 to 30 dB in 1-degree increments using push-button controls. The frequency response covers the entire GPS L1/L2/L5, Galileo, and GLONASS bands with excellent gain flatness. The LCD display allows users to easily read and adjust the gain to ensure optimal control over the signal strength. In the normal configuration, the RF output (J1) passes DC from a connected GPS receiver through the amplifier and onto the antenna, allowing the GPS receiver to power both the antenna and amplifier.

- 5-volt output and 110 VAC input voltage.
- Extremely flat group delay with a variation of less than 1 ns
- Excellent 1 dB compression point, 3rd order intercept
- Push button controls adjust signal level in 1 dB increments
- ROHS compliant

EDMO#	MFR#	CONNECTOR TYPE
NVGLCDLA-B	NVGLCDLA-B	BNC
NVGLCDLA-S	NVGLCDLA30RPDC-S/51/10	SMA
NVGLCDLA-T	NVGLCDLA30RPDC-T/51/10	TNC
NVGLCDL30-	NVGLCDLA30RPDC-S/5/MC	SMA

NOT FINDING WHAT YOU NEED?

If you don't see what you need here, it's likely we have it, or can order it in for you. Call us at 1.800.235.3300 or visit edmo.com for more info.

HI-ISOLATION RACK MOUNT AMPLIFIED SPLITTER

GPS NETWORKING



NHIRMALD16

The RMALDCBS series hi-isolation rack mount GPS splitters have one input and either 16 or 32 outputs covering the entire L1 band (GPS/GNSS) frequencies with excellent gain flatness. In normal operating configuration, the splitter supplies power from an external source to an internal amplifier and then to an outside antenna. Each DC-blocked output is loaded with a 200Ω resistor to simulate the antenna current draw to prevent false antenna alarm faults. This splitter is designed for timing and testing applications where GPS/GNSS signal is required. Up to 16 or 32 devices can be tested simultaneously.

- Extremely flat group delay
- Hi-isolation: >35 dB between adjacent output ports

Weight:	11.6 lb
Dimensions:	17 x 8.5 x 5.25 in.
Frequency Range:	1.1–1.7 GHz
Impedance:	50Ω
Gain:	14.5 dB
Gain High Isolation:	0 dB
Input Voltage:	110 VAC
Current Draw:	15 mA
Operating Temperature:	-40°C to +75°C
Connector:	SMA

EDMO#	MFR#	# OF OUTPUTS
NHIRMALD16	NHIRMALDCBS1X16: S/0.0/110	16
NHIRMALD32	NHIRMALDCBS1X32: S/0.0/110	32

DUAL ANTENNA RACK MOUNT AMPLIFIED GPS SPLITTER

GPS NETWORKING
EDMO# NHIDRMAL32
MFR# NHIDRMALDCBS2X32-T/5/MC



The dual antenna rack mount amplified GPS splitter receives two antenna inputs and splits GPS into 32 isolated outputs with only -2 dB maximum signal loss. This GPS splitter covers the entire L1 & L2 bands with excellent gain flatness. Normally, this splitter is powered by a transformer that supplies power to the splitter's amplifier and root antenna. The outputs are blocked with a 200Ω resistor to simulate antenna current draw. This two-input and 32-output device is suited to aid in timing and testing applications where the GPS carrier signal is required by up to 32 GPS devices simultaneously.

- Less than 1 ns flat group delay
- High isolation between adjacent ports (>35 dB)
- Phase-matched outputs (phase J1–J2 < 1.0°)

Weight:	16 lb
Dimensions:	5.4 x 18 x 17 in
Operating Temperature:	-40°C to 75°C
Frequency Range:	1.1–1.7 GHz

In/Out Impedance:	50Ω
Gain:	13–15dB
Gain-High Isolation:	-2.0—2.0 dB
Input SWR:	2.0:1
Output SWR:	1.3:1
Noise Figure:	3.8 dB (typical), 4.3 dB (max.)
Gain Flatness:	0.5 dB (typical), 1 dB (max.)
Amplitude Balance:	0.5 dB
Phase Balance:	1.0 dB
Isolation:	35 dB
Group Delay Flatness:	1 ns
Current:	15 mA
Source Voltage:	9–32 VDC
Output Voltage:	5 VDC @ 110 mA
Output Port Isolation:	35 dB
Pass/Block DC:	DC blocked
RF Connector:	TNC

NETWORKED RACK MOUNT AMPLIFIED SPLITTER

GPS NETWORKING



The NRMALDCBS1X8 Rack Mount Amplified 1X8 GPS Splitter (GNSS Splitter) is a one-input, eight-output device. The frequency response covers the entire L-band (all GPS/GNSS frequencies) with excellent gain flatness. In the normal configuration, the splitter is powered by an external DC source that supplies power to the splitter's internal amplifier and outdoor antenna. The outputs are DC blocked and loaded with 200Ω resistors to simulate the antenna current draw to prevent false antenna alarm faults. The product is ideally suited for timing and testing applications where the GPS/GNSS signal is required by as many as 8 devices simultaneously.

- Extremely Flat Group Delay: Less than 1 ns variation
- High Isolation Option: >35 dB of isolation between adjacent output ports
- LED Power Light
- Durable Rugged Standard 1U Chassis

Weight:	12 lb
Dimensions:	1.75 x 8.5 x 17 in.
Frequency Range:	1.1–1.7 GHz
Impedance:	50Ω
Gain:	14.5 dB typical
Gain High Isolation:	3.0 dB (min.), 4.0 dB (typical), 5.5 dB (max.)
Gain Flatness:	1.0 dB (typical), 1.5 dB (max.)
Input SWR:	2.0:1
Output SWR:	1.5:1
Noise Figure:	3.6 dB (typical), 4.1 dB (max.)
Isolation:	35 dB (typical), 40 dB (max.)
Current:	15 mA
Operating Temperature:	-40° to + 75°C

EDMO#	MFR#	CONNECTOR TYPE
NRMALDCB8N	NRMALDCBS1X8-N/0/MC	N
NRMALDCB8T	NRMALDCBS1X8-TNC/0/MC	TNC

RACK MOUNT AMPLIFIED SPLITTER

GPS NETWORKING
EDMO# DRMALDCBS2
MFR# DRMALDCBS2X16



The DRMALDCBS2X16 GPS Rack Mount Amplified Splitter is a two-input, sixteen-output device. The frequency response covers the GPS L1 & L2 bands with excellent gain flatness. In the normal configuration, the splitter is powered by a receiver connected on J1 that supplies power to the splitter's amplifier and roof antenna. The outputs are DC loaded with 200Ω resistors to simulate the antenna current draw. The product is ideal for timing and testing applications where the GPS carrier signal is required by up to 16 GPS devices simultaneously.

- Excellent Gain Flatness: [J1-J16] <1.5 dB
- Extremely Flat Group Delay
- DC Blocked Outputs Feature 200Ω Loads
- LED Power Light
- High Isolation Option: >35 dB of isolation between adjacent output ports
- Durable Rugged Standard 3U Chassis

Weight:	12.2lbs
Dimensions:	5.4 x 18 x 17 in.
Impedance:	50Ω
Gain:	14 dB
Gain Flatness:	0.5 dB
Input SWR:	2.0:1
Output SWR:	1.5:1
Noise Figure:	3.8 dB
Isolation:	35 dB
Current Draw:	15 mA
Operating Temperature:	-40°C to + 75°C

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AUTOPILOT INTERFACE UNITS & REMOTE RELAYS

AUTOPILOT INTERFACE UNITS

DEKLIN TECHNOLOGIES, INC



AIU-900A

Pilots can simplify their glass primary flight display (PFD) interface with the AIU-900-series Autopilot Interface Units. The AIU-900s are pre-assembled autopilot interfaces that integrate with existing 1C388-series autopilot couplers while adhering to the interconnect specifications and component requirements recommended by PFD manufacturers. These devices provide multiple variations for installers to use instead of having to produce the same circuits from discrete components.

- For use with Aspen or Garmin PFDs. Supports 1C388 / 1C388M / 1C388-2 / 1C388-3
- Installation/mounting is made simple by the device's small size; it is equipped with a D-sub connector

Weight:	0.38 lb

*continued on next page

Dimensions:	4.6 x 2.56 x 1.5 in
Case Material:	5052H32 Aluminum Chassis and Cover
Connectors:	25 Pin Female D-Sub Connector
Mounting:	Bulkhead, Four 8/32 Screws
Equipment Required (but not supplied):	25 Pin Male D-sub Connector SPC15461 Hood or Equivalent 2063 Screw Locking Hardware Kit or Equivalent or AIU-900IK Installation Kit

EDMO#	MFR#	COMPONENT LIST
AIU-900A	AIU-900A	Capacitors: 0.047uF Metalized Polyester, 100V Inductor, Choke: 18 mH Resistors: 10.0 KΩ, 0.25W, 1% Transformers: TY-141P (x3)
AIU-900B	AIU-900B	Capacitors: 0.027uF, 0.047uF Metalized Polyester, 100V Inductor, Choke: 18 mH, 27mH Resistors: 10.0 kOhm, 100.0 kOhm 0.25W, 1% Trim Pots: 5 kOhm, 200 kOhm Single Turn, Side Adj Transformers: TY-141P (x1), TY-145P (x2)
AIU-900-D	AIU-900-D	Capacitors: 0.047uF Metalized Polyester, 100V Inductor, Choke: 18 mH Resistors: 10 kΩ 0.25W, 1% (x2) Transformers: SP-66, SP-13
AIU-900-E	AIU-900-7	Resistors: 2.2 kOhm 0.25W, 1% (x2) Transformers: SP-13 (x2)
AIU-900F	AIU-900F	Capacitors: 0.047uF Metallized Polyester, 100V Inductor, Choke: 18 mH Resistors: 2.2 KΩ 0.25W, 1% (x2), 10 KΩ 0.25W, 1% Trim Pots: 5 KΩ, 200 KΩ Single Turn, Side Adj Transformers: SP-13 (X2), SP-66
ACCESSORIES		
AIU-900IK	AIU-900-IK	AIU-900 Install Kit | Includes: 1 ea 25 pin male D-Sub connector, 1 ea SPC15461 hood or equivalent, 1 ea 2063 screw locking hardware kit or equivalent

MD41 24-POLE REMOTE RELAY

MID-CONTINENT INSTRUMENTS & AVIONICS



The MD41-24 is a bulkhead-mounted remote transfer relay unit that switches a CDI or HIS indicator between two aircraft radio navigation systems. The unit is designed for use with the MD41-1xxx-series ACUs and is meant for situations in which the user wants to share a common CDI or HIS between an existing NAV system and a GPS system. This is a 24-pole unit with eight relay pairs with three poles per relay pair—each pair can be activated individually by either voltage or ground keying or as a group by ground keying. The unit provides indication that all relays have power applied to their activating coils with a design feature.

Weight:	0.75 lb
Dimensions:	2.86 x 1.52 x 2.60 in
Relay Contact Current Rating:	2 A DC, No to Exceed 30 V
Material:	Gold Plated Contacts/Nitrogen Filled
Certification:	RTCA DO-160C, DO-208

EDMO#	MFR#	# OF POLES	VOLTAGE
MD41-244	MD41-244	24	14V
MD41-248	MD41-248	24	28V
MD41-24P28	MD41-24P(28)	24	28V
ACCESSORIES			
8013195	8013195	Connector Kit for MD41-248	

12-, 16-, 24- POLE REMOTE RELAYS

CANYON AEROCONNECT



RS12-350

The RS12/16/24 family of remote switches allows large numbers of data or audio lines to be transferred with a single ground logic level. 14/28 VDC operation is supported, and the series is Transport Canada Type. Approved for installation in IFR and restricted aircraft. The RS16 provides user-definable remote switching functions for more complex operations. It can work for both voltage or ground keying and has an independent ILS reversion logic switch (for ground keying mode). Each 4-pole switch has its own status annunciation for fault monitoring and airframe troubleshooting. Dry nitrogen-filled, gold contact, sealed relays provide dry-circuit to 0.5A switching range.

EDMO#	MFR#	DESCRIPTION	# OF POLES/ VOLTAGE
RS12-350	RS12-350	GPS Data Switch/35k ft	12/14 OR 28
RS12-020	RS12-020	GPS data switch/25k ft	12/14 OR 28
RS16-001	RS16-001	Modular Remote Switch	16/28
RS16-012	RS16-012	Modular Remote Switch	16/14
RS24-020	RS24-020	GPS Data Switch	24/14 OR 28
ACCESSORIES			
EDI-RS12C	EDI-RS12C	RS12 Install Crimp Kit	
RS16-IKC	D62SL-IKC	RS16 Install Crimp Kit	
D50SL-IKC	D50SL-IKC	D-min install crimp kit	

TRANSFORMER RELAY ADAPTER

DEKLIN TECHNOLOGIES, INC



TR1

The TR1 and TR2 series transformer/ relay adapters are pre-assembled autopilot interface units that follow the interconnect specifications and component requirements recommended by the manufacturers of certain PFD systems when interfaced with existing autopilots. Rather than designing their own assembly from several components, installers can install the TR1 or TR2, which is already housed in a small aluminum enclosure with the same wiring interface outlined in PFD installation manuals.

EDMO#	MFR#	FOR USE WITH
TR1	TR1	TR1 Transformer Relay Adapter/For Aspen Avionics primary flight display installations when interfaced with Century autopilot models 21, 31, 41, 2000, 4000.
TR1R	TR1R	Transformer Relay Adapter/For Aspen Avionics primary flight display installations when interfaced with Century autopilot models 21, 31, 41, 2000, 4000, with flight director.
TR2	TR2	TR2 Transformer Relay Adapter/For Aspen Avionics primary flight display installations when interfaced with Century autopilot models IIB, III, IV
TR2R	TR2R	Transformer Relay Adapter

TERRAIN AWARENESS & ANNUNCIATION CONTROL UNITS

MD41 TAWS CONTROL UNITS

MID-CONTINENT INSTRUMENTS & AVIONICS

The MD41 series of terrain awareness control units provide annunciation and mode selection for Terrain Awareness Warning Systems (TAWS). These units are available in horizontal and vertical configurations, 14- and 28-volt versions, and are compatible with multiple systems, including those made by Garmin, Honeywell, L-3, and Sandel. These devices are equipped with automatic photocell dimming, manual and remote test capability, and a sunlight-readable display.



MD41-1028



MD41-1048

- Presents the primary or secondary TAWS alert within direct view of the pilot
- Provide annunciation and mode selection for terrain awareness warning systems (TAWS), helicopter terrain awareness warning systems (HTAWS), and enhanced ground proximity warning systems (EGPWS)

EDMO#	MFR#	VOLTAGE/TYPE	FOR USE WITH
MD41-1028	MD41-1028	28 / TAWS	Garmin GNS 530
MD41-1048	MD41-1048	28 / HTWAS	Garmin GNS 430W
MD41-1368	MD41-1368	28 / HTAWS	Honeywell Mark XXII
ACCESSORIES			
6011779	6011779	Replacement Light Bulb	
7014509	7014509	50 Pin D-Sub Connector Kit	
7014517	7014517	25 Pin Connector Kit	

MD41 ANNUNCIATION CONTROL UNIT

MID-CONTINENT INSTRUMENTS & AVIONICS

The MD41-series annunciation control units (ACU) are small, self-contained units that display status annunciation received from NAV and GPS systems. They are each equipped with a daylight-readable display with dual 20,000-hour photocell lamps, internally lighted selection switches, and automatic photocell dimming. Simple to install, the MD41 units use a single cutout and D-subminiature connector (panel punches are available).



MD41-1510

- Horizontal and vertical configurations are available in 14- or 28-volt units
- Available in two sizes: 0.75 x 2.45 x 2.5 or 0.8 x 2.73 x 3.2 in
- Terrain awareness and warning system versions are TSO C151a certified
- Meets RTCA DO-160D environmental specifications (certified to 55,000 ft)

EDMO#	MFR#	VOLTAGE	FOR USE WITH
MD41-1408C	MD41-1408A	28V	Garmin GPS 400/500, GNC 420/520 and GNS 430/530
MD41-1468A	MD41-1468A	28V	Garmin GNS-430/530 Avidyne IFD-440/540
MD41-1484W	MD41-1484W	14V	Garmin GNS-430/530 Avidyne IFD-440/540
MD41-1488W	MD41-1488W	28V	Garmin GNS-430/530 Avidyne IFD-440/540
MD41-1510	MD41-1510	28V	Garmin GTN-650/750
MD41-1512	MD41-1512	14V	Garmin GTN-650/750
MD41-1514	MD41-1514	28V	Garmin GTN-650/750
EDMO#	MFR#	VOLTAGE	FOR USE WITH
ACCESSORIES			
6011779	6011779	Replacement Light Bulb	
7014509	7014509	50 Pin D-Sub Connector Kit	
7014517	7014517	25 Pin Connector Kit	

WAAS GPS ANNUNCIATOR PANEL

DEKLIN TECHNOLOGIES, INC
EDMO# DWA2000
MFR# DWA2000-000



The DWA2000 is a self-contained WAAS GPS Annunciator Panel for 14 and 28 Vdc aircraft and replaces the DWA 1000. The DWA2000 is easy to install and displays annunciation status from GPS receivers that output discrete signals for remote annunciation purposes.

COURSE DEVIATION INDICATORS

MD200 SERIES COURSE DEVIATION INDICATOR

MID-CONTINENT INSTRUMENTS & AVIONICS

The MD200 Series 3-inch Course Deviation Indicators are engineered to fit a standard 3-1/8-inch panel cutout. They use durable metal construction with ball bearings in critical areas and anti-reflective glass lenses. Built-in annunciators and a dimming circuit help to reduce installation costs while also providing the user with navigational source information. This CDI is the same unit that GARMIN AT uses in their systems, and it is a direct pin-for-pin replacement for the Collins Microline™ IND-350 and 351. It is also a direct replacement for the KI-206 with a different connector. Connector kit included.



MD200-706

- Deviation bars/pointers hide from view when invalid
- LED annunciations for NAV, GPS, VLOC, and To/From indication
- True OBS course resolver output
- Compatible with WAAS GPS receivers
- High-quality D-Sub connectors included with gold-plated pins

Weight:	1.4 lb (MD200-302, -306)
Cutout:	Standard 3 1/8-inch round
Voltage Input:	14 VDC or 28 VDC
Current Input:	0.3 A
Mounting:	Panel, Rear Mount
Connector:	Mil-Spec 25-pin D-Subminiature
Operating Temperature:	–55°C to +70°C
Certification:	FAA TSO-C34e, TSO-C36e, TSO-C40c

EDMO#	MFR#	DESCRIPTION
MD200-706	MD200-706	3 inch, Lighted, Glideslope
MD200-707	MD200-707	3 inch, Lighted, Glideslope and Course Datum

MD222 SERIES COURSE DEVIATION INDICATOR

MID-CONTINENT INSTRUMENTS & AVIONICS
EDMO# MD222-406
MFR# MD222-406



For smaller panel installations, the MD222 Series 2-inch Course Deviation Indicator is an ideal solution, thanks to its compact, space-saving size. The units in this series have new-generation rectilinear meter movements for more accurate readings, a course selector, and resolver output. Designed with precision-fit metal gears, ball bearings, and a glass lens.

- 2-1/4-inch size
- Accurate rectilinear meter movements
- LED backlighting
- Built-in annunciations for NAV, GPS, and VLOC or BC

PANEL DOCKS

GARMIN 795/796 PANEL DOCK

AIRGIZMOS
EDMO# PD22
MFR# PD22



Designed to fit the Garmin aera 795/796 GPS unit, which is larger than its predecessor, the 696, the 795/796 Panel Dock has a carefully sculpted design that minimizes the footprint required so that it can still fit within the dimensions of 6.25 x 8 in. The size and screw hole locations match the 696 Panel Dock, which makes it easy for users to upgrade from the 696 GPS and dock to the 795 or 796. The dock includes an actuator button that allows the user to access the GPS device's on-off switch at the top of the device without having to remove it from the panel. A cooling port at the back of the panel is compatible with standard avionics cooling fans if desired.

Weight:	7.8 oz
Dimensions:	6.25 x 8 x 2.3 in

GARMIN 695/696 PANEL DOCK

AIRGIZMOS



The Garmin 695/696 Panel Dock allows users to install the Garmin 695 and 696 GPS devices into the panel with a sleek dock that creates the look of a permanent installation without giving up the mobility of a portable device. The dock accommodates the 5.7 x 7.7-inch dimensions of the larger 696 yet still fits into the standard 6.25-inch standard stack size. It uses a latching wheel mechanism that holds the unit in place while remaining virtually invisible from the front of the panel so that it doesn't extend beyond the allotted space.

Weight:	8.9 oz
Dimensions:	6.25 x 8 x 2.85 in
Included Hardware:	(4 Each): AN365-832A Elastic Lock Nuts, AN525-832R8 Screws with Integral Washers, AN960-8 Flat Washers, MS35214 6-32 Black Instrument Screws

EDMO#	MFR#	DESCRIPTION
AG-ITEM 29	PD13	Garmin 695/696 Panel Dock
ACCESSORIES		
AG-ITEM 32	CA1	6 ft Right Angle Audio Cable
PD13-B	PD13-B	Latching bracket

GARMIN 295 PANEL DOCK

AIRGIZMOS
EDMO# AG-ITEM 2
MFR# PD2



(GPS unit not included)

The Garmin 295 Panel Dock is similar to the AG-ITEM 4 except that it is designed to fit the Garmin 295 handheld GPS, which is a wider unit, and therefore the dock is larger and will not fit a standard 6.25-inch radio stack. The GPS device is held firmly in place but is easy to remove within seconds. The power and antenna cables are routed through the back of the unit, where a series of machined keyholes prevent the connectors from sliding through the panel.

Weight:	5.1 oz
Dimensions:	7.4 x 4.05 x 3.25 in

GARMIN 196/296/396/495/496 DOCK

AIRGIZMOS



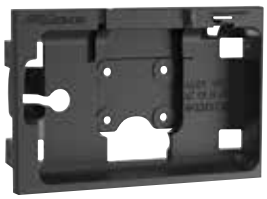
The Garmin Panel Dock allows users to temporarily mount the Garmin 196, 296, 396, and 496 GPS units into the panel with the look of a permanent installation while retaining the flexibility and versatility of their portable device. The dock fits into a standard 6.25-inch avionics stack or can be flush-mounted anywhere in the panel. The GPS unit is firmly held in place but can be removed by pulling the release tab on the left side of the unit. The unit's power and antenna cables slide through the prefabricated keyholes toward the back of the unit, which keeps cables out of sight and prevents connectors from slipping back into the panel when the unit is removed.

Weight:	4.3 oz
Dimensions:	6.25 x 4.25 x 2.44 in
Included Hardware:	(4 Each): AN365-832A Elastic Lock Nuts, AN525-832R8 Screws with Integral Washers, AN960-8 Flat Washers, MS35214 6-32 Black Instrument Screws

EDMO#	MFR#	DESCRIPTION
AG-ITEM 4	PD4	Garmin 196/296/396/495/496 dock
ACCESSORIES		
AG-ITEM 14	PD9	Panel Dock Cover

AERA 660 PANEL DOCK

AIRGIZMOS
EDMO# PD28
MFR# 660 DOCK



The PD28 panel dock provides a place to dock the Garmin Aera 660 GPS unit into the aircraft's avionics stack. The panel dock has a glove-like fit that conforms to the shape of the unit while offering a professional look and installation. Once in flight, it keeps the portable GPS unit out of the way of controls and instrumentation. The connector is incorporated into the back of the dock to keep cables safely out of the way. Molded into the dock is an actuator that allows easy access to the power button to make changes on the unit. Also, the PD28 fits into a standard avionics stack and works with horizontal and vertical angle tilt adapters for 196-496 panel docks.

Weight:	2.8 oz
Dimensions:	6.25 x 4.25 x 1.75 in

AERA 500 SERIES PANEL DOCK

AIRGIZMOS
EDMO# AG-ITEM 41
MFR# PD16



Users can easily mount the Garmin aera 500 series GPS into a panel with the aera 500-series panel dock, which creates the look of a permanent installation with the ability to easily remove the portable device as desired. The dock matches the look and feel of the panel while keeping the device out of the way of other instruments and all cables organized and out of sight; it even has extra room to accommodate the docking connector that Garmin added to the aera 500. Users can access the power button on the device via the actuator built into the dock; this provides easier access when the Garmin is docked within the panel.

- When upgrading from an older GPS unit, the aera 500 also fits the same opening as the 196, 296, 396, and 496 panel docks, using the same hole layout for mounting

Weight:	3.3 oz
Dimensions:	6.25 x 4.25 x 1.53 in

IFLY 700/720 PANEL DOCK

AIRGIZMOS
EDMO# PD23
MFR# PD23



The iFly 700/720 panel dock makes it easy to mount a 700/720 GPS into the instrument panel. This mount supports the GPS in a stable, safe installation that can be mounted horizontally or vertically, and it provides additional room for the external battery.

Weight:	6.8 oz
Dimensions:	2.43 x 7.9 x 6.25 in

IPAD MINI PANEL DOCKS

AIRGIZMOS



The iPad Mini Panel Dock from AirGizmos provides a secure, temporary place to mount the iPad mini for use while in flight. The iPad mini panel dock includes a cooling port on the back that is compatible with standard avionics cooling fans.

- Designed to work with the AirGizmos Angle Adapter, see part AG-ITEM 30

PD24

EDMO#	MFR#	DESCRIPTION
PD24	PD24	For iPAD Mini | Includes Cooling Port
PD27	PD27	For iPAD Mini Generation 4

IPAD PRO PANEL DOCK

AIRGIZMOS
EDMO# PD30
MFR# PD30



The iPad Pro Panel Dock is designed to securely mount a 10.5-inch iPad Pro or 3rd generation iPad Air to the panel of the aircraft while allowing for easy removal when needed. If it mounts with only four screws and is compatible with the iPad 10.5-inch (models A1701 and A1709).

Weight:	6.6 oz
Dimensions:	7.46 x 10.42 x 0.35 in

IPAD PANEL MOUNTS

AIRGIZMOS



The iPad panel mounts are equipped with a base mount that is screwed to the panel using standard instrument mounting holes. The iPad can then be snapped into the dock, where it is held securely.

BM3MINI

Weight:	5.9 oz (BM2) 2.5 oz (BM3MINI) 13.6 oz (BM3AIR)
Dimensions:	7.69 x 9.78 x 2.10 in (BM2) 5.53 x 8.18 x 1.76 in (BM3MINI) 12 x 9 x 4 in (BM3AIR)

EDMO#	MFR#	DESCRIPTION
BM2	BM2	For iPAD 1,2,3
BM3MINI	BM3MINI	For iPAD Mini

IPAD AIRMOUNTS

AIRGIZMOS



BMT-AM1

The AirMount provides a flexible mounting solution for tablet devices. This mounting solution allows users to leave their device in the protective case while securely mounting it in the aircraft. The AirMount adjusts on three sides and holds the tablet in any orientation. Several mounting options are available for use with the AirMount.

EDMO#	MFR#	DESCRIPTION
BMF-AM1	BMF-AM1	Fixed Mount
BMS-AM1	BMS-AM1	Swivel Base mount
BMT-AM1	MBT-AM1	Tilt Base Mount
BMT-IP2	BMT-IP2	Tilt Base Mount | iPad 10.5in
SM0-AM1	SM0-AM1	Suction Mount

IPAD AIRMOUNT WITH KNEE DOCK

AIRGIZMOS
EDMO# KD0-AM1
MFG# KD0-AM1



The AirMount with included tilt base mount provides an excellent mounting solution for tablet computers. This mounting solution allows users to leave their device in the protective case while securely mounting it in the aircraft. The AirMount adjusts on three sides and holds the tablet in any orientation. Several mounting options are available for use with the AirMount.

- Security mounts tablet computers while remaining in a protective case
- Adjustable on three sides to hold the tablet in any orientation

Weight:	4.8 oz
Dimensions (adjustable):	Width: 7.1–11.1 in Height: 5.62–8.17 in Depth: 1.364 in

IPAD KNEE DOCKS

AIRGIZMOS
EDMO# KD2AIR
MFG# KD2AIR



iPad knee docks provide a convenient mounting location for a pilot's iPad. The knee dock for iPad mini offers immediate access charts and maps right at the fingertips. Adjustable tilt angle allows the pilot to adjust the angle of the mount for best viewing to cut down on glare.

Weight:	7.5 oz
Dimensions:	6.89 x 9.82 x 2.49 in

IPAD PRO PANEL DOCK

GUARDIAN AVIONICS
EDMO# IFDRPMIPAP
MFR# IFDR-PM-IPAPR



The smartPanel mount for the iPad Pro is a flush mounting system to easily dock and seamlessly integrate an existing iPad Pro into an aircraft instrument panel. Once installed, the smartPanel mount allows the iPad to be docked in seconds and fully powered and ready for use. The spring-actuated mounting cradle securely holds the iPad in place, and built-in ports allow for the Apple Lightning cable and 3.5 mm audio cable to remain safe and secure behind the panel. The smartPanel mount is designed for easy installation into a panel. Each durable molded ABS plastic unit is self-contained and mounts with only four screws. Each panel mounting tray also features cooling channels to circulate air behind an iPad to keep it cool even under the heaviest loads.

Panel cutout dimensions:	12.063 x 9.057 in
Overall dimensions:	14.06 x 9.84 x 1.75 in

IPAD MINI MOUNT AND POWER SUPPLY PACKAGE

GUARDIAN AVIONICS



IPAMI-DUPK

The smartPanel Mount Package for Apple iPad Mini is a flush mounting system to easily dock and seamlessly integrate an existing iPad Mini into an aircraft instrument panel, giving it a clean, professional appearance in an easy-to-view position. Once installed, the smartPanel mount allows your iPad to be docked in seconds, fully connected to the included 2.7 amp power supply and audio with built-in cable ports. Removal is just as easy—just slide, push, and remove.

- Kit includes: SmartPanel Mount for iPad Mini, SmartPower Power Supply, Apple MFi Lightning Cable with Open Wire Termination, 3.5mm Audio Cable with Open Wire Termination, D-Sub 15-pin Solder Connector, and D-Sub Cable Shield

Weight:	2.6 oz
Panel Cutout Dimensions:	7.834 x 5.679 in
Dimensions:	9.75 x 6.20 x 1.01 in
Output Current:	2.7 A
Input Voltage:	9–48 VDC
Output Voltage:	5 VDC +/- 0.25 (10 watt)
Material:	Durable Black ABS Plastic

EDMO#	MFR#	DESCRIPTION
IPAMI-PKG	IFDR-PM-IPAMI-PKG	iPAD Mini Mount and Power Supply Package
IPAMI-DUPK	IFDR-PM-IPAMI-DUPK	iPAD Mini Mount and Panel USB Port Package

TILT ADAPTERS & GLARE SHIELDS

VERTICAL TILT ADAPTER FOR GARMIN 196/296/396/496/510/560/660/IPHONE

AIRGIZMOS
EDMO# AG-ITEM 10
MFR# PD8



Designed for use with the AGITEM-4, the Aera Vertical Tilt Adapter provides a 30° angle for better viewing of the GPS unit mounted within when mounted above or below the direct line of sight. It can be mounted to provide the desired angle in either direction (up or down). This adapter fits the same opening as the panel dock itself so that it can be easily mounted in existing installations.

Weight:	3 oz
Dimensions:	3 x 6.45 x 4.28 in

ANGLE ADAPTER FOR GARMIN 695/696/795/796/ACE/IFLY/IPAD MINI

AIRGIZMOS
EDMO# AG-ITEM 30
MFR# PD14 OR 696 H-TILT



Many pilots will need to install GPS units on the passenger side of the panel. To make the GPS more readable, we offer the Angle Adapter. It works in conjunction with the Panel Dock and provides an additional 15 degrees of angle to the GPS, making it much easier to see and use. The angle adapter fits in the same physical opening as the panel dock. The panel dock then slides into the angle adapter to complete the installation.

Weight:	3.8 oz
Dimensions:	2.27 x 6.45 x 8.11 in

HORIZONTAL TILT ADAPTER FOR GARMIN 196/296/396/496/510/560/660/IPHONE

AIRGIZMOS
EDMO# AG-ITEM 7
MFR# PD7



Many pilots will need to install GPS units on the passenger side of the panel. To make the GPS more readable, we offer the Angle Adapter. It works in conjunction with the Panel Dock and provides an additional 30 degrees of angle to the GPS, making it much easier to see and use.The Angle Adapter fits in the same physical opening as the Panel Dock. The Panel Dock then slides into the Angle Adapter to complete the installation.

Weight:	2.7 oz
Dimensions:	2.55 x 6.38 x 4.25 in

GLARE WIZARDS



Glare wizards offer pilots a clear view of GPS and avionics screens, providing glare-free viewing for safer flying. These glare wizards are constructed using an injected molded process and made to fit many popular GPS units. They are easy to install without requiring tape or adhesives. Additionally, Glare Wizard will not interfere with the GPS unit's mounting system.

GW234

- Easy installation and removal
- Requires no tape or adhesives
- Will not interfere with the unit's mounting system

EDMO#	MFR#	COMPATIBLE DEVICES
GW234	GW234	Garmin 296/396/496
GW600	GW600	Garmin 695/696
GWAERA	GW500	AERA 500/510/550/ 560
GWAV8OR	GWAV0R	BendixKing AV8OR

GPS ACCESSORIES

INLINE GPS NOTCH FILTER

TED MANUFACTURING CORP
EDMO# 4-70-54
MFR# 4-70-54



The inline GPS notch filter prevents harmonic noise caused by communications radios from interfering with onboard GPS units. While an aircraft GPS receives positional information at 1575.42 MHz, the comm radios transmitting on a completely separate frequency can still cause interference. The TED 4-70-54 notch filter is a simple, low-cost way to clean up the receiver's frequency environment. This device installs with standard BNC bayonet couplings, in-line between radios and antennas, and is engineered to pass requisite environmental criteria.

PARAMETER	UNITS
Center Notch Frequency:	1575 MHz
Attenuation:	52 dB (over F+/-1.5 MHz)
Insertion Loss:	0.1 dB (from 118 to 137 MHz)
Impedance:	50Ω (from 118 to 137 MHz)
VSWR:	1.5:1 (from 118 to 137 MHz)

Air Data & Fuel Flow

Air Data Computer & Attitude Heading Systems 354
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AIR DATA COMPUTER & ATTITUDE HEADING SYSTEMS

SAC7-35 AIR DATA COMPUTER

SANDIA AEROSPACE



705548-00

The SAC7-35 Air Data Computer for General Aviation is actually four systems in one; it provides an altitude encoder, altitude alerting, fuel flow, and an air data computer. SAC 7-35 is an FAA TSO-approved altitude encoder that provides RS-232 for newer generation transponders as well as standard Gilham Grey code for legacy transponders. The system is also equipped with SANDIA's altitude inflight monitoring (AIM) that alerts pilots whenever the aircraft deviates 100 feet or more from the selected altitude. When paired with a fuel flow transducer, the SAC 7-35 provides all the fuel flow data required for navigation systems to monitor fuel flow. The SAC 7-35 is also a fully TSO'd air data computer with multiple interface formats that provide data to a wide variety of avionics systems.

- Includes: tray connectors, OAT probe, and install manual

Weight:	1.18 lb
Dimensions:	5.62 x 4.87 x 1.89 in
Electrical:	10–32 VDC @ 1 amp, max
Inputs:	ARINC 407 Synchro Heading OAT Pitot (Airspeed) Static (Altitude) Track, Mag, Var & Ground from On-board GPS 5-volt Pot Baro Fuel Flow, Pulse GPS Position (-01 Version Only)
Air Speed:	40–450 KTS, 01–0.99 MACH
Wind Speed:	0–200 KTS
Vertical Speed:	±9,999 ft/min, ±20,000 on ARINC bus
Accuracy:	±25 ft (-1,000 to 5,000 ft) ±30 ft (5,001 to 11,000 ft) ±35 ft (11,001 to 20,000 ft) ±50 ft (20,001 to 30,000 ft) ±75 ft (30,001 to 35,000 ft)
Air Temperature:	Range: -60°C to 60°C Accuracy: +1.5°C
Fuel Flow:	Flow Rate: 1 – 14,400 GPH per side K-factor Range: 500 – 130,000
ADS-B:	ARINC 743 Labels (-01 version only)
Altitude:	35,000 ft, max Resolution: 100 ft (Grey Code), 10 ft (RS-232), 10 ft (ARINC 429)
Certification:	TSO-C88a, ETSO-C88a TSO-C106, ETSO-C106 DO160E DO178 level C DO254

EDMO#	MFR#	DESCRIPTION:
705548-00	705548-00	SAC7-35 Air Data Computer
705548-01	705548-01	SAC7-35 Air Data Computer | ADS-B for Garmin 400W/500W
ACCESSORIES		
305557	305557	Mounting Bracket
305580	305580	Programming Computer
305588-00	305588-00	Electrical Installation Kit

FUEL/AIR DATA COMPUTER

SHADIN AVIONICS



962830-3A

The F/ADA-2000 Fuel/Air Data computer provides real-time flight information by creating an interface between the aircraft GPS receiver and the aircraft's flight management system. This device interfaces with nearly every major GPS and in-flight management system and automatically calculates real-time fuel usage, TAS, true air temperature, OAT, barometric pressure correction, density altitude, and wind aloft without the need for manual entry. This information is then displayed via the on-board NAV system, EFIS, and TAWS.

- Supports every major GPS
- Provides a standard ARINC 429 driver board with switch-selectable output to drive most standard 429 systems
- Option available for baro-corrected altitude; pressure altitude data provided by the F/ADC-2000 can be automatically used by most GPS manufacturers as a suitable substitute for fourth satellite data when computing three-dimensional position (24-hour, 3-D position accuracy with only three satellites)
- Equipped with a 55,000 ft high-resolution encoder

Weight:	2.25 lb
Dimensions:	7.4 x 4.3 x 3.9 in
Inputs:	Pitot Pressure Static Pressure Outside Air Temperature Heading Synchro Baro Correction Fuel Flow
Input Power:	9–35 VDC, 1 watt nominal
Output:	Auto Baro Corrected Altitude, Altitude Blind Encoder Output, Air Data Output on ARINC 429 Buss, [AS, TAS, Mach, P.Alt, OAT, TAT, Wind Aloft, Fuel Flow L, Fuel Flow R, Fuel Used]
Output Format:	RS-422, RS-232 ARINC 429 Lo/High Speed ARINC 565 AC TAS
Altitude:	Up to 55,000 ft
Operating Temperature:	-20°C to 55°C
Software:	RTCA DO-178A, level II
Certification:	TSO-C106, TSO-C44a, TSO-C88a RTCA DO-160B

EDMO#	MFR#	DESCRIPTION:	FUEL SENSOR TYPE:
962830-1A	962830-1A	High Level IF	Digital
962830-2A	962830-2A	Baro Corrected Altitude	Sine wave
962830-3A	962830-3A	Baro corrected Altitude	DC
962830A1S4	962830A-1-S-4	MS Connector & Quick Start Capability	Digital
ACCESSORIES			
670503	670503	Shield for OAT Probe	
670504	670504	Nut for OAT Probe	
670505	670505	Flat Washer for OAT Probe	
670506	670506	Shoulder Washer for OAT Probe	
IK9630-1	IK9630-1	ADC-2000 Installation Kit	
IK9630A-4	IK9630A-4	ADC-2000 Installation Kit with MS Connector	
IK9628	IK9628	Installation Kit for the ADC200 Air Data Computer.	

ATTITUDE/HEADING REFERENCE SYSTEM (ADAHRS)

GENESYS AEROSYSTEMS



4200500101

This compact and lightweight digital air data and solid-state attitude/heading reference system (ADAHRS) incorporates a magnetic sensing unit (MSU) and a separate outside air temperature (OAT) probe. This highly accurate system employs a micro-electro-mechanical system (MEMS) technology to provide extremely precise digital output and referencing of aircraft position rate, vector, and acceleration data.

Weight:	ADAHRS: 0.97 lb Magnetometer: 0.4 lb OAT Probe: 0.13 lb
Dimensions:	2 x 2.5 x 3.9 in, ADAHRS (Excluding Connector and Mounting Flanges)
Input Voltage:	14–28 VDC, nominal
Power Interruption:	200 ms
Body Rates:	±200° per second
Accelerometer Range:	±10 G
Velocity Range:	20–550 KIAS
Velocity Resolution:	0.2 KIAS below 25 KIAS / 0.1 KIAS 25 KIAS and above
Velocity Accuracy:	±5 KIAS below 50 KIAS Meets or Exceeds TSO-C106 from 50 t0 450 KIAS ±5 KIAS above 450 KIAS
Attitude:	-1,000 MSL to FL550
Altitude Resolution:	1 ft
Altitude Accuracy:	Meets or Exceeds TSO-C106
OAT Calibration Range:	-70°C to 100°C
OAT Resolution:	-0.1°C
OAT Accuracy:	±1.5°C from -70°C to +70°C (per TSO-C106) ±2.5°C from +70°C to +100°C
Thermal Protection:	Internal Thermal Regulation and Monitoring
Operating Temperature:	-55°C to 70°C
Mounting:	Aligned with Longitudinal Axis (±0.5° for fix wing aircraft and ±2.0° for rotorcraft)
Enclosure:	Machined 6061-T6 Aluminum
Connector Type:	MIL-C 38999: Sourlau PN:8D0C-13F35PH Airframe Side: Sourlau PN:8D5-13F35SSN
Finish:	Black Anodized
Certification:	RTCA/DO178B, Level A DO-160E Qualifications: [(F2)V]BRXWXSFSZZAZ [ZC][YK]M[A3J33]XXAC

EDMO#	MFR#	DESCRIPTION
4200500101	42-005001-0001	Air Data Attitude Heading Reference System
ACCESSORIES		
4200400101	42-004001-0001	Magnetic Sensing Unit for ADAHRS
4200200301	42-002003-0001	ADAHRS OAT Installation Kit

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AMS-2000 ALTITUDE MANAGEMENT SYSTEM

SHADIN AVIONICS

EDMO# 918900-01
MFR 918900-01



The AMS 2000 is an Altitude Management and Alert System. It alerts when approaching or deviating from the target altitude. Other features include alerts when reaching the Decision Height or Minimum Descent Altitude and a landing gear reminder when approaching the destination altitude. The AMS 2000 also will calculate density altitude and engine performance.

- Time-based altitude alerting
- Density altitude display
- Real-time IVS display
- 100 ft increment display

Weight:	9 oz
Dimensions:	1.5 x 3.125 x 5.75 in.
Power:	10–28 VDC
Input Current:	300 mA max
Altitude Display Range:	-1000 feet to Upper Limit of Encoder
Resolution:	100 feet (10 feet with Serial Encoder)
Inputs:	11 pins, Not Isolated–10 Signal, 1 Return, no Diode Isolation
Operating Temperature:	-10°C to +50°C

AIR DATA CONVERTERS & ADAPTERS

SYNCHRO TO ARINC 429 HIGH-SPEED CONVERTER

SHADIN AVIONICS

EDMO# 933800-24
MFR# 933800-24



The Synchro to ARINC 429 high-speed converter can be used whenever Synchro to ARINC 429 is required. The purpose of this unit is to receive three 3-wire Synchro ARINC 429 inputs: pitch, roll, and magnetic heading. The received labels are then converted to ARINC 429 high speed.

Weight:	1.5 lb
Dimensions:	8.562 x 3.305 x 3.68 in
Power Supply Voltages:	28 VDC or 26 VDC, 400 Hz
Supply Current:	300 mA @ 28 VDC
Input Data:	Magnetic Heading, ARINC 407 3-wire Synchro Pitch, ARINC 407 3-wire Synchro Roll, ARINC 407 3-wire Synchro Heading Reference 26 VAC 400Hz Excitation 11.8VLL
Output Data:	ARINC 429 High Speed Labels: 320 (Magnetic Heading), 324 (Pitch), 325 (Roll)
Altitude:	55,000 ft
Temperature Range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
Mounting:	Rack
Certification:	RTCA/DO-160C

A-429 HS/LS TO SERIAL CONVERTER

SHADIN AVIONICS

The A-429 HS/LS to Serial Converter accepts ARINC 429 High Speed/Low Speed data and provides RS-232 or RS-422 serial output data in a hexadecimal dump for each desired label per line.



Weight:	0.4 lb
Dimensions:	3.23 x 3.175 x 3.175 in
Input Voltage:	28 VDC
Input Current:	100 mA
Input Data:	ARINC 429 Input Labels: High/Low Select (Open = High Speed, GND = Low Speed)

EDMO#	MFR#	DESCRIPTION
933620-00	933620-00	A-429 HS/LS to Serial Converter
ACCESSORIES		
IK9339	IK9339	Installation Kit

A-429 HS/LS TO SERIAL CONVERTER WITH SM SELECT

SHADIN AVIONICS
EDMO# 933612-02
MFR# 933612-02

The ARINC 429 high-speed-to-low-speed serial converter with SM select accepts the following ARINC 429 input labels on the ARINC 429 input bus and ignores all other labels that may be contained in the input: 074, 075, 113-116, 147, 251, 300-307, and 310-313. Designed for the Honeywell NZ2000 Moving Map System.



Weight:	0.6 lb
Dimensions:	3 x 3.2 x 3.2 in
Input Voltage:	14 to 28 VDC
Input Current:	100 mA
ARINC 429 Input Labels:	114, 115, 116, 147, 251, 310, 311, 312, 313, 275
Flight Plan Data:	074, 075, 113, 300-307
High/Low Select:	Open = High Speed GND = Low Speed
Outputs:	RS-232 or RS-422 Serial Data
Altitude:	Up to 55,000 ft
Temperature Range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
In-flight Loss of Cooling:	Equipment can run indefinitely without cooling
Certification:	TSO-C129a Class A1

CONVERTER FOR RS232 OR RS422

SHADIN AVIONICS
EDMO# 930510
MFR# 930510

This converter accepts serial data in either RS232 or RS422 format and converts it into the other format. Its two independent converter channels accept any serial data and simultaneously convert data as a bi-directional level translator.



Weight:	0.4 lb
Dimensions:	1.15 x 4.3 x 2.4 in
Power Supply Voltage:	28 VDC
Supply current:	30 mA @ 28 VDC
Protection:	Not Internally Fused
Inputs:	Serial Data: RS-232 or RS-422
Outputs:	Serial Data: RS232 or RS-422
Operating Altitude:	Up to 55,000 ft
Temperature Range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
In-flight Loss of Cooling:	Equipment can run indefinitely without cooling
Certification:	TSO-C44b, RTCA/DO-160C

SYNCHRO HEADING INPUT/ARINC 429 CONVERTER

SHADIN AVIONICS

The synchro heading input to the ARINC 429 converter accepts the magnetic heading and converts it to the ARINC-429 low-speed output level 320.



Weight:	0.4 lb
Dimensions:	1.15 x 4.3 x 2.4 in
Input Voltage:	28 VDC
Input Current:	150 mA
Input Data:	Magnetic Heading, ARINC 429 3-wire Synchro 1 Discrete Input: Synchro Valid
Output Data:	ARINC 429 LS Data Magnetic Heading, Label 320
Altitude:	Up to 55,000 ft
Temperature Range:	Operating: -20°C to 55°C Storage: -55°C to 85°C
In-flight Loss of Cooling:	Equipment can run indefinitely without cooling

EDMO#	MFR#	DESCRIPTION
933753-00	933753-00	Synchro Heading A-407 to A-429 Converter
933753-01	933753-01	ADF Receiver SYNC Bearing to A-429 Converter
ACCESSORIES		
IK9339	IK9339	Install Kit | 26 pin D-Sub

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AIS-450 ARINC 429 ADAPTER

SHADIN AVIONICS
EDMO# 834510-00
MFR# 834510-00



The AIS-450 is a digital to synchro-based converter that receives angular data (head, pitch, and roll) on two ARINC 429 high-speed inputs and converts it to three ARINC 407 synchro outputs (3-wire). The two ARINC 429 inputs accept only angular ARINC 429 labels for heading, pitch, and roll (ARINC 314, 320, 324, and 325). The high-speed ARINC 429 outputs pass through only the valid angular ARINC 429 labels received on the inputs. The three ARINC 407 outputs are configured as a 3-wire synchro.

- Current AIS-450 hardware capabilities: digital I/O, 3-channel ARINC 407 3-wire synchro out, discrete I/O
- Common applications: ARINC 429 labels 314 or 320 to sync the heading output; ARINC 429 labels 314 or 320, 324, and 325 to synchro heading, pitch, and roll output; ARINC 429 to ADF, DME synchro; ARINC or serial to selected course waypoint bearing; Serial to synchro

Weight:	1.7 lb
Dimensions:	8.5 x 4 x 2.4 in
Power Supply Voltage:	18 VDC to 33 VDC
Supply Current:	520 mA, max (745 mA, max Including External Loads)
Protection:	Active Current Limiting to 2.0 VAC
Inputs:	ARINC 429: High Speed, 100 kbps ± 1% 26 VAC references CH1, CH3: 24.7 VAC to 27.3 VAC Active Discrete Input (ARINC 463-3): low/ground signal V < 3.5 VDC with I<20 mA sink or R < 10Ω Inactive Discrete Input (ARINC 463-3): high/open signal 18.5 VDC < V < 36 VDC or R > 100KΩ
Outputs:	ARINC 429: High speed, 100 kbps ± 1% Synchro X, Y, and Z (ARINC 407): 0 to 11.8 VAC Typical, 12.4 VAC max; 0.209 VA into 500Ω Each Channel (Heading, Pitch, and Roll) Synchro Angle Accuracy: Input Angle ± 0.5° Synchro valid CH1, CH2, CH3: 28 VDC (Valid)/Open (Invalid) Discrete, 75 mA max, Short Circuit Protection Alternate 2-wire Syncro (ARINC 561): 200 mV/Deg
Altitude:	Up to 55,000 ft
Temperature Range:	Operating: -40°C to 70°C Storage: -55°C to 85°C
Certification:	TSO-C4C, TSO-C5F, TSO-C6E

AIS-360 ARINC 429 ADAPTERS

SHADIN AVIONICS

LS/HS ADAPTER

EDMO# 833610-01
MFR# 833610-01



The AIS-360 ARINC LS/HS Adaptor has two ARINC 429 low-speed input channels and two ARINC 429 high-speed output channels. The AIS-360 receives any label on the ARINC on the low speed input and outputs it on an ARINC 429 high speed bus with up to 440 µsec delay. During this process the label is not changed and the update rate remains the some in the conversion.

The AIS-360 provides, but not limited to, the following capabilities: ARINC 429 transmit, ARINC 429 receive, discrete I/O, Bi-directional RS-232, Bi-directional RS-422/RS-485, and Ethernet

BUFFER/ISOLATOR

EDMO# 833610-02
MFR# 833610-02



The AIS-360 ARINC buffer has two ARINC 429 input channels and two ARINC 429 output channels. The unit receives any label on the ARINC 429 low speed input and outputs it on an ARINC 429 low speed bus. Any label received on the ARINC 429 high-speed input is output on the ARINC 429 high speed bus output. Label data and update rate remain the same.

The AIS-360 provides, but not limited to, the following capabilities: ARINC 429 transmit, ARINC 429 receive, discrete I/O, Bi-directional RS-232, Bi-directional RS-422/RS-485, and Ethernet

Weight:	0.9 lb
Dimensions:	8.5 x 4 x 1.59 in
Power Supply Voltage:	18 VDC to 33 VDC
Current:	100 mA max.
Protection:	Not Internally Fused
Inputs:	(LS/HS Adapter) ARINC 429: Low Speed, 12-14.5 Kbps ± 1% ARINC 429: High Speed, 100 Kbps ± 1% (Buffer) ARINC 429: low speed, 12-14.5 Kbps ± 1% ARINC 429: high speed, 100 Kbps ± 1%
Outputs:	LS/HS adapter) ARINC 429: High Speed, 100 Kbps ± 1% (Buffer) ARINC 429: Low Speed, 12-14.5 Kbps ± 1% ARINC 429: High Speed, 100 Kbps ± 1%
Altitude:	Up to 50,000 ft
Operating Temperature:	-15°C to 70°C (-55°F to 85°F)
Certification:	RTCA/DO-160F

ETM KEY RECORDER/USB

SHADIN AVIONICS
EDMO# 943200-11
MFR# 943200-11



The ETM USB Recorder is designed to enhance the storage capability in the Shadin Engine Trend Monitor. Using 2 gigabytes of data, the ETM USB Recorder has the capability to store trend data for the life of an aircraft while providing the USB interface to make data downloads as easy as plugging in the USB flash drive.

- Plug and play replacement from Data Key Recorder
- Eliminate Data Key, Key Reader and RS-232 Serial Port
- Enhances ETM with storage for life of aircraft

Dimensions:	2.937 x 2.937 in
Internal Storage Hours:	10,000 hours (approx)
Software:	Fleetview - Enhanced Export Capabilities
PC Interface:	USB Flash Drive
Storage Records:	1,000,000 (approx)
Connector:	15 pin D-sub

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MODULAR ACCESSORY REMOTE CARDS & ENCLOSURES

MARC 70 INTERFACE MODULES

SANDIA AEROSPACE



305146-00



305001-01

The MARC 70 Switching and Interface modules provide installers with a wide variety of interface circuits needed to integrate avionics systems. MARC 70 modules can be mounted individually in the SRU 1 or grouped in the SRU 5 or SRU 10 multi-card enclosures. The SRU 5 holds up to five interface modules while the SRU 10 holds up to 10 modules. MARC 70 modules are PMA approved and certified to 55,000 feet.

EDMO#	MFR#	DESCRIPTION
MIL QUALIFIED SWITCHING MODULES		
305001-01	305001-01	SR263 | Two, Six-Pole, nitrogen-filled relays. The two relays can be activated simultaneously or individually
305002-01	305002-01	SR623 | Six, two-pole, nitrogen-filled relays. The six relays can be activated individually
GA SWITCHING MODULES		
306110-00	306110-00	SR 34 | Three, four-pole sealed relays to provide 12 lines of switching. Coil current 60 mA
306111-00	306111-00	SR 54 | 20 poles of switching through five hermetically sealed relays
306112-00	306112-00	SR 64 | Multi-purpose relay module, 24 lines of switching. Coil current 120 mA
SPECIAL INTERFACE MODULES		
305003-01	305003-01	SA 24 Diode Isolation Module | 23 lines of diode ground in-ground out isolation. Internal FET allows simultaneous test of all lines to ground. Requires 28 VDC for test
305004-01	305004-01	SA 15 Inverter Board | Converts a high to low or a low to a high to provide common annunciator power. 14 inverter outputs
305005-01	305005-01	SA 3 Regulator/Dimming board | for incandescent lamps that provides 0.5 amps of annunciator drive for lighting display annunciators. Switchable between bright and dim with both modes field adjustable
305005-02	305005-02	SA 3L | Similar to the SA 3 but designed for use with LED lamps
306070-00	306070-00	SA 3 | Regulator Dimming board
ENCLOSURES		
305146-00	305146-00	SRU 1 | Houses any of the MARC 70 modules
305018-00	305018-00	SRU 5 | House up to five MARC 70 modules. Supplied with four blank plates
ACCESSORIES		
305061-00	305061-00	Installation Kit for MARC 70

24 POLE SWITCHING UNIT

SANDIA AEROSPACE
EDMO# 306434-00
MFR# 306434-00



The AIS 240B-35 is a multi-purpose switching module that consists of six four-pole relays for 24 poles of switching capabilities. The relays are arranged in a group of four (16 poles) and two single relays (4 poles each). The relays can either be activated by a ground or 28 VDC current to maximize flexibility.

- AIS 240-35 uses gold-plated, dry contacts sealed in a nitrogen-filled case

Weight:	0.5 lb
Dimensions:	1.2 x 3.4 x 5.13 in
Operating Voltage:	28 VDC
Current:	160 mA (All Relays Engaged)
Contact Rating:	1.0 A @ 30 VDC
Altitude:	50,000 ft (maximum)
Operating Temperature:	-20°C to 55°C

20 POLE SWITCHING UNIT

SANDIA AEROSPACE



The AIS 200B-35 is a 20-pole, signal-level switching unit designed for use with NAV systems that share aircraft HSI/CDI's OBS functions. This unit has a revisionary relay that selects the LOC signal for display on the HSI/CDI whenever a LOC channel is selected in the NAV unit. This unit uses 10 relays in a series/parallel arrangement to provide the same 20 poles of switching. While model AIS 200B-35 is a direct fit and replacement for the AIS 200-35 and AIS 200A-35 models, installation of this AIS 200B-35 remains the same.

- Operates on 28 VDC
- Direct fit for AIS 200-35 and AIS 200A-35 models

Weight:	0.6 lb
Dimensions:	3.35 x 5.06 x 0.99 lb
Operating voltage:	38 VDC
Contact rating:	1.0 A @ 30 VDC
Altitude:	50,000 ft (maximum)
Operating Temperature:	-20°C to 55°C

EDMO#	MFR#	DESCRIPTION
306433-00	306433-00	20 Pole Switching Unit
ACCESSORIES		
305552-00	305552-00	Installation Kit

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FUEL FLOW INDICATORS & CONVERTERS

SHADIN FUEL FLOW INDICATORS

SHADIN AVIONICS



910532P



912041T38D



912041TD

The Shadin Miniflo, Digiflo, and Microflo fuel flow indicators display real-time fuel flow with up to ±1% accuracy for maximum fuel efficiency. When interfaced with an engine's fuel flow transducer and a GPS, these devices display fuel used, fuel remaining, endurances, efficiency, fuel to destination, and fuel reserve. Each is equipped with an LED seven-segment display that can be toggled between different data fields. These devices are capable of transmitting fuel information to Bendix/King KLN-88, KLN-90, and Garmin GPS navigation receivers.

DIGIFLO

Constant fuel rate, fuel used, fuel remaining, endurance (hours and minutes until fuel exhaustion), Add/Full switch for one-touch fueling, low fuel warning (by time). Added feature for twin models: left engine used, right engine used.

MICROFLO

Communicates with most GPS receivers. Red dot matrix LED display, constant fuel flow (combine rate in left window for twins, with the capability to display individual engine flow rate at the touch of a button), fuel used, fuel remaining, endurance, low fuel warning (by time), Add/Full switch for one-touch fueling, fuel to destination, fuel in reserve upon reaching destination, nautical miles, per unit of fuel spent.

MINIFLO

Communications with most GPS receivers. Constant fuel flow rate (combined rate in left window for twins, with the capability of displaying individual engine flow rates at a touch of a button), fuel used, fuel remaining, endurance, low fuel warning (by time), fuel to fuel, add/full switch for one-touch fueling.

EDMO#	MFR#	ENGINE TYPE	UNIT
DIGIFLO-L			
910531P	910531P	Single	Gallons
910532P	910532P	Twin	Gallons
910535P	910535P	Single	6.7 Pounds
910536P	3910536P	Twin	6.7 Pounds
MICROFLO-L			
912041T38D	912041T-38-D	Single	Gallons
912047T38D	912047T-38-D	Single	Liters
MINIFLO-L			
912045T38D	912045T-38-D	Single	Pounds
ACCESSORIES			
233427-01	233427-01	D38999 Series Connector | Straight Plug	
440501	440501	Wire Harness | Digiflo-L for Twin Engine Aircraft	
440502	440502	Wire Harness | Digiflo-L for Single Engine Aircraft	
IK9337	IK9337	Install Kit for Digiflo | 15-pin D-sub	
IK9121-1	IK9121-1	Install Kit for Mini/MicroFlo	
422110-1	422110-1	Wire Harness | Miniflo-L and Microflo-L Single Engine Aircraft	

SHADIN FUEL FLOW INDICATORS ACCESSORIES

EDMO#	MFR#	DESCRIPTION
660526AS	660526AS	70 GPH with Straight Pick-up
660532R	660532R	200GPH with Right Angle Pick-up
660532S	660532S	200 GPH with Coil Top and Straight Pick-up
660534HR00	660534HR-00	7-160 GPH with Hall Effect and Right Angle Pick-up
660534HS	660534HS-00	7 GPH to 160 GPH
660534S	660534S	160 GPH with Straight Pick-up
660537S	660537S	350 GPH with Straight Pick-up
680501-1	680501-1	Bare
610535	610535	Mounting Bracket
610507	610507	Straight Magnetic Shield for 6605XX-XX Series Fuel Transducers
610508	610508	Magnetic Shield Box
543003B	543003B	Transducer Bracket
546101	546101	Conical Seal
578168A	578168A	Fitting Nut Tube Coupling
578180	578180	Carburetor Fitting
578181	578181	Mounting Flange
578182	578182	Mounting Adapter
578186	578186	AN821-10 90 Degree Elbow

SHADIN TRANSDUCER KITS

EDMO#	MFG#	KIT COMPONENTS	FUEL FLOW RANGE (GPH)
KIT-A	KIT A	FF Transducer #680501A (1), 90° AN-816-4-4 Elbow Fittings (2)	0–60
KIT-A1	KIT A1	FF Transducer #680501B (1), AN-816-4-4 90° Elbow Fittings (2), AN823-4 45° Elbow Fitting (1), AN-912-1J Bushing (1)	0–60
KIT-A1X	KIT A1X	No Transducer, AN-816-4-4 90-degree Elbow Fittings (2), AN-823-4 45-degree Elbow Fitting (1), AN-912-1J Brushing (1)	–
KIT-D	KIT-D	FF Transducer #680501D (1), 90 Degree Elbow Fittings #578157 (2), AN816-6 Fittings #578166 (2), 6F50X-S MS51525-6 Fittings #578175 (2)	0–60
KIT-J	KIT-J	FF Transducer #68050X (1), AN-816-6 Fitting (1), T-fitting Pipe to Flare Fitting (1), 90-degree Elbow Fitting (1)	0–60
KIT-L	660526AS	FF Transducer #660526AS (1), Bracket (1), Screw AN501A10-10 (4), Bolt AN4-4A (4), Washer AN960-416L (4), Stop Nut (4), MS513531-85 Nut (2), Reducer (2), Conical Seal (2), Washer (4), 230021-1 ITT Cannon MS3106E10SL-3S (1)	0–70
KIT-O	KIT-O	FF Transducer #660526AS (1), Reducer #578168 (2), Nut MS51531-85 #578168A (2), Bracket #543003 (2), AN501A10-10 Screw #511026 (4), AN4-4A Bolt #511016 (6), AN960-416L Washer #541006 (6), Stop Nut #512001 (6), Conical Seal #546101 (2), Washer #541007 (4), Connector MS3106E10SL-3S #230021-1 (1)	0–70
KIT-R	KIT R	FF Transducer #660526AS (1), Reducer (2), Connector MS3106E-10SL-3S (1), Conical Seal (2), Nut MS51531-85 (2)	0–70
KIT-U	KIT-U	FF Transducer #660526AR (1), Reducer (2), Nut MS51531-85 (2), Conical Seal (2), Bracket Doubler (1), Mounting Bracket (1), Washer AN960-10L (4), Screw AN526-1032R12 (4), Connector MS3106E10SL-3S (1)	0–70
KIT-X	KIT-X	FF Transducer #680501X (1), Fitting AN816-4-4 (3), AN816-6 Fitting (2)	0–60

AIS-380 REMOTE FLO FUEL FLOW ADAPTER

SHADIN AVIONICS



833811-01

The AIS-380 RemoteFlo Fuel Flow Adapter is a digital fuel flow module that provides real-time access to fuel flow management information. It interfaces with most major GPS and flight management systems and calculates fuel information in real-time to be displayed on an onboard NAV system. It is designed to provide fuel flow on a digital output bus to a display or GPS receiver that can receive ARINC 429 or RS-232. The AIS-380 receives a digital frequency signal from a fuel transducer or equivalent, ARINC 429 air data, and ARINC 429 heading, then combines this data and re-transmits it on an ARINC 429 or RS-232 serial output bus.

- Two 12 VDC power supplies are available for powering fuel flow transducers
- ARINC inputs are echoed to the ARINC outputs
- ARINC speed (high or low) is configurable
- Each ARINC channel input and output speed is matched when configured, e.g. ARINC channel 1 input channel set for high speed results in ARINC channel 1 output set for high speed
- Fuel Flow labels 244 (Total Fuel Flow) and 347 (Left and Right independent Fuel Flow based on SDI) are generated and output at an 8 Hz rate when configured for normal fuel flow format

Weight:	0.7 lb
Dimensions:	1.57 x 6.9 x 4.24 in
Power Supply Voltage:	28 VDC, nominal
Current:	100 mA @ 28 VDC
Altitude:	Up to 42,000 ft
Temperature Range:	Operating: 40°C to 70°C Storage: -55°C to 85°C
In-flight Loss of Cooling:	Equipment can run indefinitely without cooling
Software:	DO-178B Level C
Certification:	TSO-C44c Incomplete System

EDMO#	MFR#	DESCRIPTION
833811-01	833811-01	AIS-380 Adapter - Digital Frequency Input
833811-30	833811-30	AIS-380 Adapter - DC Voltage Input
ACCESSORIES		
CK833811	CK833811-30	AIS Fuel Flow Configuration Kit
K833811-00	K833811-00	Installation Kit

SYNCHRO TO FREQUENCY FUEL FLOW CONVERTER

SHADIN AVIONICS
EDMO#: 930502-04
MFR#: 930502-04



This fuel flow converter converts angular information received as synchro signals from a fuel flow transmitter into a digital signal suitable for use by a fuel/air data computer and other aviation monitoring and control systems. Input signals into the converter, from synchro transmitters, are: X=S1, Y=S3 (S2 is grounded), and reference voltage of 26 Vrms. One unit supports conversion of fuel flow values for two engines. The design of the unit is based on a built-in microcontroller and unique software, which supports different applicable systems. Rotary microswitch SW1, on the converter, provides switching capabilities to select different fuel flows.

Weight:	1.0 lb
Dimensions:	3.0 x 5.25 x 2.125 in.
Power Supply Voltage:	14–28 VDC
Supply Current:	150 mA @ 28 VDC
Input Data:	Synchro Signals 11.8 Vrms, Reference Voltage 26 Vrms/400 Hz

DC FUEL FLOW TO FREQUENCY CONVERTER

SHADIN AVIONICS
EDMO# 630502
MFR# 630502



This device receives an analog fuel flow (FF) signal in the form of a DC voltage and produces a digital output signal with a frequency proportional to the FF signal. The digital output represents the engine fuel flow and is available for use by a standard fuel management system.

Weight:	0.4 lb
Dimensions:	2.4 x 4.3 x 1.15 lb
Power Supply Voltage:	14–28 VDC
DC Input Voltage:	0–10 VDC
Input Impedance:	>100 MΩ
Digital Frequency Signal Output:	VOL < 0.8 V / IMAX = 15mA VOH = 5V / IMAX = 0.5mA Pulse Width (VOL)- 0.4 ms Max. Frequency, VIN = 10 V / 1,221 Hz
Current:	70 mA @ 28 VDC
Altitude:	-1,000 to 55,000 ft
Operating Temperature:	-30°C to 55°C
Certification:	TSO-C44b

FUEL QUANTITY INDICATOR

U M A INC
EDMO# 18-260-1F5
MFR# 18-260-1F5



Electronic fuel quality indicator with a range of 10Ω–180Ω, a 270-degree sweep, and a black-and-white dial with wire leads.

- Resistive float sender type (sold separately)
- Includes wire leads, no DB-9 connector

Weight:	4.7 oz
Dimensions:	3.08 x 2.24 in
Range:	10 - 180Ω
Case:	Valox 420 Plastic

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MULTI-FUNCTION DISPLAYS

MD302 STANDBY ATTITUDE MODULE (SAM)

MID-CONTINENT INSTRUMENTS & AVIONICS

This device combines attitude, altitude, airspeed, slip information, and ARINC 429 output into a single device. The MD302, or SAM™, by Mid-Continent Instruments and Avionics, is a 4-in-1, self-contained, sol-id-state instrument for use during normal operation or in case of primary instrument failure. It features selectable orientation (horizontal or vertical), which provides during the cockpit design and installation process.



MD302 Horizontal



MD302 Vertical

- Displays attitude, altitude, airspeed, and slip information with ARINC 429 output
- Two-screen display has external, automatic, and manual dimming control settings and provides smooth, high-definition graphics with extra-wide viewing angles and a user-friendly menu structure
- Users can configure the display and control the menu with the device's single knob
- Software is field-upgradeable via a standard USB port

Weight:	1.6 lb
Dimensions:	5.50 x 2.37 x 0.33 (faceplate) 3.16 x 2.3 x 4.84 (behind the panel)
Power Input:	10–32 VDC, 6-watt (nominal), 25-watt (max)
Output:	ARINC 429
Attitude:	300° per second pitch, roll, and yaw (max)
Altitude:	-1,500 ft to 55,000 ft
Airspeed:	20–500 knots (23–575 mph)
Heading:	Displayed via ARINC 429 input (external interface dependent)
Units of Measure:	Altitude: feet or meters Barometric setting: inches of mercury or millibars Airspeed: Knots, mph, or kph
Panel Tilt & Roll:	Configurable: -90° to +90°
Panel Roll:	Configurable: -5° to +5°
Lighting:	5, 14, 28 VDC external input or internal photocell Programmable dimming curve
Pilot Interface:	16-detent, push and turn knob
Battery:	Rechargeable, field-replaceable, internal battery Technology: Nanophosphate® lithium-ion Run time: 60 minutes minimum when fully charged and properly maintained
Mounting:	Front panel mounted
Mating Connectors:	Mid-Continent P/N 9017646 kit contains custom DB15 connector with configuration module, pitot and static connectors

EDMO#	MFR#	DESCRIPTION
MD302-1	6420302-1	MD302 SAM Standby module | Internal battery
MD302-2	6420302-2	MD302 SAM Standby module | No battery
MD302-5	6420302-5	MD302 SAM Standby module | Grey Bezel
MD302-7	6420302-7	MD302 SAM Standby module | NiMH internal battery

EDMO#	MFR#	DESCRIPTION
ACCESSORIES		
9017177	9017177	Li-Ion Battery Pack
9017642	9017642	Pneumatic fitting | supplied with MD302 SAM unit, 2 ea.

MD23 FLEX CUSTOM FUNCTION DISPLAY

MID-CONTINENT INSTRUMENTS & AVIONICS

The MD23 series FLEX Custom Function Display ("CFD") is a panel-mounted instrument capable of displaying various inputs in a configurable graphical presentation. FLEX is an off-the-shelf solution that is FAA and EASA TSO approved with Level A design assurance software certification. FLEX has the ability to receive and send multiple types of inputs and outputs, allow user interface, and display custom-designed graphics.



The unique Multi-I/O (MIO) feature allows twelve of the unit's electrical inputs to be configured per the CID file to either accept or output various types of signals and information. MIO pins can be defined to be an analog input, a discrete on/off input, an analog output, or a discrete output.

- Customizable data parameters (inputs/outputs), user interface and graphics
- Receives and displays ARINC 429, analog, discrete, frequency, temperature, and absolute and differential pressure data
- Standard 2-inch size
- Simple user interface — Push-and-turn control knob
- Daylight-readable LCD and high-definition graphics
- External lighting control and built-in photocell for automatic dimming
- Field-upgradeable software via standard USB-A port

Weight:	0.4 lb
Dimensions:	2.43 x 2.43 x 1.0 in
Mating connectors:	26-pin D-Suband backshellMCIA p/n 9019162-1 Pneumatic fittings MCIA p/n 9019162-2
Input Voltage:	10-32 VDC
Input Power:	4 W (0.14 A @ 28 VDC)
Lighting Input:	5, 14, 28 VDC or Automatic Photocell Control
Battery Backup:	Rechargeable Coin Cell
Analog:	Input: 0–28 VDC, 1% accuracy (±0.050 V) Output: 0–5 VDC, 1% accuracy (±0.050 V)
Discrete:	Input: Open, Ground, High Output: Open, Ground, High
Frequency:	0.5-100 VDC pp; 10-2,000 Hz; 10-20,000 Hz
ARINC 429:	Low or high speed; labels per individual CID
RS-232:	Data format per individual CID
Thermocouple:	Type K
Certification:	FAA TSO certified to C2d (Type B), C3e, C4c, C8e, C10c, C106, C113b, C201 RTCA DO-160G qualified RTCA DO-178C qualified, Design Assurance Level (DAL) A

EDMO#	MFR#	DESCRIPTION
6420023-1	6420023-1	FLEX Custom Function Display
ACCESSORIES		
MD23-104	MD23-104 (6420023-1)	FLEX Digital Annunciation Control Unit



Save space. Save time. Save the day. Maximize your panel space and fly with the only 2-inch, digital standby that can be installed horizontally and vertically to fit in the tightest spaces. With SAM, you won't waste time on unreliable equipment and complicated installations, and a rechargeable, internal battery saves the day in the event of electrical failure. You'll have one hour of emergency power and the critical time you need to land safely.



SAM® 2-inch Standby Attitude Module

Attitude, altitude, airspeed, slip, vertical trend & heading

flySAM.com

MidContinent® INSTRUMENTS+AVIONICS

MD32 MAGNETOMETER

MID-CONTINENT INSTRUMENTS & AVIONICS

EDMO# MD32
MFR# MD32



The MD32 Magnetometer is designed specifically for the MD302 Standby Attitude Module—SAM®. This FAA-approved device delivers independent heading and reference without orientation limitations or the need for special installation hardware. The MD32 has a compact footprint and flexible mounting while offering convenient calibration from the cockpit for easy and economical installation. Includes connector kit and install manual.

Weight:	0.19 lb
Dimensions:	2.75 x 3 x 0.56 in
Power Input:	7–32 VDC, 0.56 W (max)
Output ARINC:	429 Custom Format
Altitude:	55,000 ft
Temperature:	-55°C to 70°C (-67°F to 158°F)

AV-30 MULTI-FUNCTION PANEL DISPLAY

UAVIONIX



Transform your panel with the AV-30, a feature-rich, fully digital flight instrument designed to fit seamlessly into standard 3⅛-inch round instrument cutouts. Offering unmatched versatility, the AV-30 can be configured as either an Attitude Indicator (AI) or a Directional Gyro (DG), providing pilots with a powerful, all-in-one solution for situational awareness and precision flight data. With a crisp, sunlight-readable display and intuitive customization options, the AV-30 enhances your cockpit while preserving the classic aesthetic of legacy aircraft instrumentation.

Beyond primary flight data, the AV-30 integrates critical safety features such as probeless AoA, audio alerting, and GPS navigational overlays. Pilots can configure up to three fully customizable data pages, selecting from a range of graphical and textual overlays to match their preferred flying style. Built-in redundancy comes in the form of an internal battery backup, ensuring continuous operation even in the event of power loss. Whether you're flying IFR or VFR, the AV-30 delivers a modern, reliable flight experience—helping you stay focused, informed, and in control.

- Primary Attitude, Slip, and Direction Indication
- Probeless AoA, Airspeed, Altitude, and Vertical Trend Monitoring
- G-Meter, Density Altitude, and True Airspeed Readouts
- GPS HSI, Compass Rose, and Arc Map Mode for Advanced Navigation
- Customizable Display with Selectable Colors, Fonts, and Layouts
- Audio Alerts for AoA, G-Load, and Roll Limits
- 2-Hour Internal Battery Backup for Emergency Situations

Weight:	0.50 lb
Dimensions:	3.38 x 3.38 x 1.6 in.
Input Voltage:	10–32 VDC (nominal), 60 VDC (max)
Input Power:	6 W (0.5 A @ 12VDC)(nominal), 12 W (1.0 A @ 12VDC)(max)
Contrast Ratio:	500
Brightness:	1000 cd/m2
Backlight Lifetime:	50,000 Hrs
Viewing Angle:	Left/Right: 60°, Up: 45°, Down: 10°
Operating Temperature:	-20°C to 55°C
Required Circuit Breaker:	2 A
Connectors:	Electrical: 15 Pin Male D-Sub Pneumatic: 1/4 in. OD Quick Connect
Mounting:	(4X) #6-32 Machine Screws 1/8" Round Instrument Hole
Case Material:	Billet Aluminum

EDMO#	MFR#	DESCRIPTION
AV-30C	UAX-90052-01	AV-30 Multi-function Display | Certified
AV-30E	AV-30E	AV-30 Multi-function Display | Experimental

AV-20-S MULTI-FUNCTION PANEL DISPLAY

UAVIONIX

EDMO# AV-20S
MFR# AV-20S



Compact, powerful, and packed with critical flight data—the AV-20-S is the ultimate space-saving upgrade for your panel. Designed to fit a standard 2¼-inch cutout, this multi-function display combines attitude indication, G-meter readings, and a customizable suite of real-time flight metrics. With built-in audio alerts and a high-visibility, sunlight-readable screen, the AV-20-S ensures you stay ahead of critical flight conditions.

Engineered for redundancy, the AV-20-S features an internal battery backup, keeping vital information available even in the event of electrical failure. Its intuitive interface allows pilots to monitor key performance indicators at a glance, enhancing safety, awareness, and overall flight efficiency. Whether you're tracking true airspeed, density altitude, or monitoring voltage levels, the AV-20 delivers essential data with precision and clarity—helping you fly smarter every time you take to the skies.

- AoA Display with Voice Alerting & Peak Recall
- G-Meter for Load Monitoring & Flight Performance Assessment
- Attitude (Roll/Pitch) with Slip/Skid Indication
- Customizable Audio Alerts for Critical Flight Conditions
- Clock (GMT/Local), Engine Run Timer, Flight Timer & User Timers
- Outside Air Temperature, Bus Voltage, Density Altitude & True Airspeed

Weight:	0.25 lb
Dimensions:	2.4 x 2.4 x 1.2 in.
Display Diagonal:	1.8 in.
Input Voltage:	10–32 VDC (nominal), 60 VDC (max)
Input Power:	3 W (0.25 A @ 12VDC)(nominal), 6 W (0.50 A @ 12VDC)(max)
Contrast Ratio:	500
Brightness:	1000 cd/m2
Backlight Lifetime:	50,000 Hrs
Viewing Angle:	Left/Right: 60°, Up: 45°, Down: 10°
Operating Temperature:	-20°C to 55°C
Connectors:	Electrical: 9 pin Male D-Sub Pneumatic: 1/4 in. OD Quick Connect
Mounting:	(4x) #6-32 Machine Screws
Case Material:	High Impact ABS Plastic

AV-30 ACCESSORIES

UAVIONIX



AV-Link AV-MAG AV-APA AV-HSI

AV-LINK

Enables wireless connectivity for real-time flight data streaming and firmware updates.

AV-MAG

External magnetometer providing enhanced heading accuracy in all flight conditions.

AV-APA

Analog Port Adapter for seamless integration with legacy S-TEC autopilot systems.

AV-HSI

GPS-driven Horizontal Situation Indicator for advanced navigation capability.

EDMO#	MFR#	DESCRIPTION
AV-LINKEXP	UAX-90077-01	AV-Link WIFI Hub | Experimental
UAX9009001	UAX-90090-01	AV-Link WIFI Hub | STC
UAX9009301	UAX9009301	AV-MAG STC External Magnetometer | PMA, For AV-30C
UAX9010201	UAX-90102-01	AV-APA Analog Port Adapter | For AV-30E
UAX9010301	UAX-90103-01	AV-HSI Horizontal Situation Indicator | Experimental
UAX9010501	UAX-90105-01	AV-HSI Horizontal Situation Indicator | PMA IFR HSI Interface, ARINC 429

FLIGHT SYSTEMS

EKP V PORTABLE GLASS COCKPIT SYSTEM

AVMAP SATELLITE NAVIGATION



Designed for light-sport, ultralight, & experimental aircraft, the AvMap EKP V redefines the role of GPS inside the cockpit. The EKP V can be both a cockpit-installed instrument and a portable device. The bright 7-inch LCD is multifunctional and capable of displaying several data sources useful for flight.

When connected to the A2 ADAHRS module through the docking station, the EKP V becomes a full-featured primary flight display. This compact module is packed with a solid-state 3-axis gyro, an accelerometer, a magnetic field sensor, and an air data sensor. The added A2 ADAHRS module turns the EKP V into a fast and reliable EFIS.

- Navigation, EFB, and PFD in a single device
- Bright LCD TFT 7” sunlight-readable display
- Customizable vertical or horizontal view and many other options
- Moving Map with Terrain and Jeppesen Navdata, FAA Sectional Charts, US Approach Plates, and Airport Diagrams
- Removable and rechargeable battery
- Micro SD preloaded with software and maps
- Night vision
- Full flight planning capability
- Editable aircraft checklist
- Compatible with multiple accessories

EDMO#	MFR#	DESCRIPTION
P1MK3706AM	P1MK3706AM	EKP V Bundle | EKP V, Ultra EFIS, and Docking Station
P1MK370AAM	P1MK370AAM	EKP V Portable GPS
ACCESSORIES		
CBY1MG0500	CBY1MG0500	EKP V Power supply cable
CBYAMG0501	CBYAMG0501	EKP V Power supply cable | Cigarette lighter socket
CBYUMG0400	CBYUMG0400	EKP V PC interface cable
HPC50AX	HPC50AX	EKP V Protective cover
K10MK3010A	K10MK3010A	EKP V Plastic knee pad support
K10LCE007A	K10LCE007A	EKP V Knee strap
K10MK3007B	K10MK3007B	EKP V Joystick kit
KAADC510US	KAADC510US	EKP V Power adapter
KABATPCK13	KABATPCK13	EKP V Lithium-ion rechargeable battery
UG0GRM10AM	UG0GRM10AM	EKP V External gps antenna
UX0DS100AM	UX0DS100AM	EKP V Cockpit docking station
UX0DS300AM	UX0DS300AM	EKP V Cockpit cradle kit
UX0GUM10AM	UX0GUM10AM	EKP V External GPS antenna
UX0US100AM	UX0US100AM	EKP V Serial USB adaptor cable

ULTRA EFIS

AVMAP SATELLITE NAVIGATION
EDMO# UX0EFS51AM
MFR# UX0EFS51AM



The Ultra EFIS is a complete instrumentation system for primary flight display (PFD) and horizontal situation indicator (HSI) functions. It is a rugged and reliable system designed for fixed panel installation and fits in a standard 3 1/8” diameter hole. This unit combines 9 instruments into 1. Users get an altimeter, airspeed indicator, artificial horizon, directional gyro/HSI, side slip indicator, vertical speed indicator, automatic direction finder with GPS, G-meter, and magnetic compass, all in one instrument. The Ultra EFIS contains solid-state gyros, accelerometers, magnetic field sensors, air data sensors, and motion processors.

Connecting an external GPS receiver to the Ultra, the system provides the pilot with navigation information on the HSI page, providing its position, direction, and radials relative to reference navigation points.

- Preloaded with Jeppesen navigation POIs
- Coverage in Europe-Africa, North America, South America, and Asia-Australia
- Displays altimeter, airspeed, artificial horizon, directional gyro/horizontal situation, side slip, vertical speed information
- Automatic direction finder with GPS
- Magnetic compass
- Fits in a standard 3 1/8” diameter hole

ENGIBOX ENGINE MONITORING SYSTEM

AVMAP SATELLITE NAVIGATION



EngiBOX is a stand-alone engine monitoring system (EMS), developed especially for Rotax engines, displaying the engine parameters with an update rate of five times per second and recording 160 hours of data in the internal memory. It is a rugged and reliable system designed for fixed panel installation and fits in a standard 3 1/8" diameter hole.

- Displays EGT, RPM, MAP, oil pressure, oil temp, air temp, CHT, and coolant temp
- Compatible with Rotax engines: 912, 912S, 914, 618, 582, 503, and 447 series
- EngiBOX App and Portal for engine management & control
- Fits in a standard 3 1/8" diameter hole

EDMO#	MFR#	DESCRIPTION
UX0EMS10AM	UX0EMS10AM	EngiBOX
UX0EMS1XAM	UX0EMS1XAM	EngiBOX with EGT Probe Kit

CHRONOMETERS & HOUR METERS

800 SERIES CHRONOMETERS

DAVTRON INC

Davtron's 800-series clocks are multi-functional chronometers with an easy-to-use two-button design. They display universal time, local time, and elapsed time (other functions available; see the variant version below). The 800 series comes with two different screen formats, either liquid crystal or incandescent—both with illuminated screens that are readable in high sunlight situations.

M800



800-14V/24

- 2-1/4-inch internal mount
- Two-button control system
- Laser-engraved faceplate
- Liquid crystal display is illuminated for reading in dark conditions
- Provides universal time, local time, and an elapsed time alarm
- Optional audio alarm
- NVIS green A option
- Keep-alive battery option
- FAA-PMA approved

Weight:	4 oz
Voltage:	12–30 VDC
Keep-alive Current:	0.0004 A
Internal Lighting:	230 mA @ 5 VDC 120 mA @ 14 VDC 50 mA @ 28 VDC (specify voltage when ordering)
Universal Time:	24 Hour Format
Local Time:	12 hour or 24 hour option, user selectable
Elapsed Time Count up:	Starts in minutes and seconds, then hours and minutes up to 99:59 hours
Elapsed Time Count Down:	Settable from 1 seconds to 59 minutes and 59 seconds
Elapsed Time Alarm:	Activates at zero when counting down
NVIS Option:	NVIS green A lighting
Battery Type:	AA battery
Compatible With:	Diamond Aircraft Model DA20-A1, Beech models: 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33 and 35-A33

EDMO#	MFR#	DESCRIPTION
5-VOLT		
800-5V	1034-800-5V	800-5V | 5V lighting
800-5V/BAT	1035-800-5V-BAT	800-5V | battery holder
800-5-SHB	1057.01-800-5V-SH-BATT	800-5V | illuminated buttons & battery holder
800-5V-N/B	1037-800-5V-NVG-BAT	800-5V | NVIS & memory battery holder
14-VOLT		
800-14V	1042-800-14V	800-14V | 14V lighting
800-14/BAT	1043-800-14V-BAT	800-14V | memory battery holder
800-14-SHB	1057.02-800-14V-SH-BAT	800-14V | illuminated buttons & battery holder
800-14-N/B	1045-800-14V-NVG-BAT	800-14V | NVIS & memory battery holder
800-14V/24	1048-800-14V-24	800-14V | 24 hour lighting
28-VOLT		
800-28V	1050-800-28V	80-28V | 28V lightning
800-28/BAT	1051-800-28V-BAT	800-28V | memory battery holder
800-28/NVG	1052-800-28V-NVG	800-28V | NVIS
800-28-NSB	1057.06-800-28V-NVG-SH-BATT	800-28V | NVIS, illuminated buttons, & battery holder
800-28-N/B	1053-800-28V-NVG-BAT	800-28V | NVIS & memory battery holder

MB800 CHRONOMETERS FOR BEECHCRAFT

The MB800 is an 800-series chronometer designed with a yoke mount for use in Beechcraft aircraft.



B800-28V/B

- Yoke mount for Beechcraft
- Two-button control system
- Liquid crystal display is illuminated for reading in dark conditions
- Displays universal time and local time
- Elapsed time with countdown timer
- Elapsed time alarm
- Optional audio alarm
- FAA-PMA approved

Weight:	3.3 oz
Voltage:	12–30 VDC
Keep-alive Current:	0.004 A
Internal Lighting:	230 mA @ 5V 120 mA @ 14V 50 mA @ 28V (specify voltage when ordering)
Universal Time:	24 hour format
Local Time:	12 or 24 hour option, user selectable
Elapsed Time Count Up:	Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
Elapsed Time Alarm:	Settable from 1 second to 59 minutes and 59 secons

continued on next page

NVIS Option:	NVIS green A lighting
Battery Type:	AA battery
Compatible With:	Diamond Aircraft Model DA20-A1, Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, and 35-A33

EDMO#	MFR#	DESCRIPTION	COLOR
14-VOLT			
B800-14V/B	1061-800B-14V-BLK	800-14V	Black
B80014V/SB	1061.91-800B-14V-SH-BLK	800B-14V | illuminated buttons	Black
B800-14V/C	1060-800B-14V-CRM	800-14V (cream) for mounting in Beechcraft	Cream
28-VOLT			
B800-28V/B	1059-800B-28V-BLK	800-28V	Black
B80028V/NB	1061.5-800B-28V-NVG-BLK	800B-28V | NVIS	Black
B80028/NSB	1061.95-800B-28V-SH-NVG-BLK	800B-28V | NVIS & illuminated buttons	Black
B80028V/SB	1061.92-800B-28V-SH-BLK	800B-28V | illuminated buttons	Black
B80028V24B	B800-28V24B	800B-28V | 24-hour lighting	Black
B800-28V/C	1058-800B-28V-CRM	800-28V	Cream
800B28VCRM	800B-28V-CRM	800B-28V | illuminated buttons	Cream

M803 CHRONOMETERS

The M803-series chronometers are similar to the M800 but also provide readings for outside air temperature (OAT) in Fahrenheit and centigrade and voltage.

- 2-1/4 inch internal mount
- Liquid crystal display is lighted for reading in dark conditions
- Optional audio alarm
- OAT Fahrenheit and centigrade
- NVIS Green A option
- Keep-alive battery option
- FAA-PMA approval
- Provides universal time, local time, flight time with alarm, elapsed time with countdown timer, elapsed time alarm



803-28V

Weight:	5.02 oz
Voltage:	12–30 VDC
Keep-alive Current:	0.004 A
Internal Lighting:	240 mA@ 5V 240 mA @14V 100 mA @ 28V
Universal Time:	24 hour format
Local Time:	12 hour 24 hour option
Elapsed Time Count Up:	Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
Elapsed Time Count Down:	Settable from 1 second to 59 minutes and 59 seconds
Elapsed Time Alarm:	Activates at zero when counting down
Flight Time:	Records hours and minutes, up to 99:59
Flight Time Alarm:	Full set range of flight time
NVIS Option:	NVIS green A lighting
Battery Type:	AA memory battery
Compatible with:	Bell Helicopter Textron Model 407

EDMO#	MFR#	DESCRIPTION
5-VOLT		
803-5V	1064-803-5V	803-5V | 5V lighting, voltmeter & OAT (temperature probe included)
803-5V-NVG	1067-803-5V-NVG	803-5V | NVIS & OAT (temperature probe included)
803B-2-0/5	M803B-2-0/5-BATT	803-5V | 5V lighting, red & blue buttons, OAT (temperature probe included), & backup battery
14-VOLT		
803-14V	1065-803-14V	803-14V | 14V lighting, voltmeter, & OAT (temperature probe included)
803-14-NVG	1068-803-14V-NVG	803-14V | NVIS & OAT (temperature probe included)
28-VOLT		
803-28V	1066-803-28V	803-28V | 28V lighting, voltmeter, & OAT (temperature probe included)
803-28-NVG	1069-803-28V-NVG	803-28V | NVIS & OAT (temperature probe included)
803B-2/28V	M803B-2-0/28V-B	803-28V | 28V lighting, red & blue buttons, & OAT (temperature probe included), Cessna configuration
ACCESSORIES		
803-KIT	MD9FJVLO	Connector kit for Davtron clock models 803, 850, 877, 880, and 903 series
BULB-AF	BULB-AF-28V-24MA	Replacement bulb for M803B clock, 28V

M811 CHRONOMETERS

The 811 chronometer provides a six-digit, incandescent display for all three functions (flight time, elapsed time, count up, and local time). Memory battery not included.

- 2-1/4 inch internal mount
- Provides local time, flight time, and elapsed time with countdown timer
- Sunlight-readable incandescent display
- NVIS green A option
- Six-digit display for all three functions
- Two faceplate options: the grey faceplate with screen-printed nomenclature and a black faceplate with engraved nomenclature
- Polarizing filter
- FAA-PMA approved



811B-24/N

Weight:	7.5 oz
Voltage:	14 VDC
Current:	0.4 A
Local Time:	12 and 24 hour option (users selectable)
Flight Time:	24 hour
Elapsed Time Count Up:	24 hour
NVIS Option:	NVIS green A lighting
Battery Type:	6 volt battery with 2-year operating life
Compatible With:	BAE Jetstream Models 3101 and 3201 Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, and 35-A33 British Aerospace Model BAE/Avro 146 British Aerospace Model 125-700 DeHavilland Models Dash-8 Series 100 (101,102,103) DeHavilland Models Dash-8 Series 300 (301, 311) Falcon Models 10, 900EX, and 2000 Gates Learjet Models 24E, 24F, 25D, 25F, 35A, and 36A IAI Models 1125WW Astra and Astra SPX Mystere Falcon Models 50, 200, and 900 Waco Model Classic WACO F5 and F5c

EDMO#	MFR#	DESCRIPTION
BLACK FACEPLATE		
811B-1	811B-1	811B-1
811B NVG-W	811B NVG-W	811B-1 | Old style 2.20 panel
811BFTR24	1074-811BFTR24	811B-24 | Flight time reset
811B-24/N	1076-811B-24-NVG	811B-24 | NVIS
811B-24/N1	1076.1-811B-24-NVG-15	811B-24 | NVIS & compatible with KW515-4F displays
GREY FACEPLATE		
811B-24A	1073-811B-24A	811B-24 | 24 hour lighting
811BFTR24A	1075-811BFTR24A	811B-24 | Flight time reset
ACCESSORIES		
811-28	RP-811-28	811B dropping resistor
811-BATT	811-BATT-1	811B memory battery pack
811-INV	RP-811-INV	Inverting female connector
811-STD	RP-811-STD	Standard female connector
KW505F	RP-KW505F	881B replacement display

M850 CHRONOMETERS

The M850 chronometers provide seven functions (Greenwich Mean Time, local times, flight time with alarm, elapsed time with countdown timer, and elapsed time) with an incandescent display and illuminated buttons and annunciators.



850-2-5NV

- 2-1/4 inch front mount
- Two-button control system with illuminated buttons and annunciators
- Bright, sunlight-readable, incandescent display with an automatic dimmer
- NVIS green A option
- Displays Greenwich Mean Time, local times, flight time with alarm, elapsed time with countdown timer, and elapsed time alarm
- Two faceplate options: the grey faceplate with screen-printed nomenclature and a black faceplate with engraved nomenclature
- Keep-alive battery option
- FAA-PMA approved

Weight:	5 oz
Voltage:	14 –28 VDC
Keep-alive Current:	0.00004 A
Display:	Incandescent, automatic dimming
Greenwich Mean Time:	24 hour format
Local Time:	12 or 24 hour option
Flight Time:	Records hours and minutes up to 99:59 99:99 hour option
Flight Time Alarm:	Full set range flight time
Elapsed Time Count Up:	Starts in minutes and seconds, then hours and minutes, up to 99:59 hours
Elapsed Time Count Down:	Settable from one second to 59 minutes and 59 seconds
Elapsed Time Alarm:	Activates at zero when counting down
NVIS Option:	NVIS green A lighting for Model 850
Battery Type:	N size alkaline
Compatible With:	Israel Aircraft Industries Model 1125 Astra and Galaxy

EDMO#	MFR#	DESCRIPTION	COLOR
5-VOLT			
850-5V	1078-850-5V	850-5V | 5V illuminating buttons (front mount)	Black
M850-5V-SL	850-5V-SL	850-5V | 5V illuminating buttons (screw lock)	Gray
850-5V-LA	M850-5V-LA	850A-5V | 5V lighting, Learjet dimming circuit	Gray
850A-5V	1079-850A-5V	850A-5V | 5V illuminating buttons (front mount)	Gray
8505VNVGS	M850-5V-NVG-SL	850A-5V | NVIS, 5V lighting, two-button control with screw lock	Gray
14-VOLT			
850-14V/N	1084-850-14V-NVG	850A-14V | NVIS, 14V lighting	Gray
28-VOLT			
850-28V	1086-850-28V	850-5V | 28V illuminating buttons (front mount)	Black
850-2-28NV	850-2-28V-NVG	850A-28V | NVIS, 28V lighting	Gray
850-28NVG	1088-850-28V-NVG	850A-28V | NVIS, 28V lighting	Gray
ACCESSORIES			
KW115G	RP-KW115G	Replacement display module | 655/877/850	
KW515F-4F	RP-KW515F-4F	Replacement incandescent display	
M800R	M800R-28V	28V remote display unit | 850 & 877	
800R28VNVG	M800R-28V-NVG	28V remote display unit | 850 & 877, NVIS	

M877 CHRONOMETERS

The M877 series chronometers are similar to the M850 chronometers but are instead designed with an internal mount design rather than a front mount. This series provides GMT, local times, flight time with alarm, and elapsed time with countdown timer and alarm.



877-14V

- 2-1/4 inch internal mount
- Two-button control system with illuminated buttons and annunciators
- Bright, sunlight-readable, incandescent display with an automatic dimmer
- NVIS green A option
- Displays Greenwich Mean Time, local times, flight time with alarm, elapsed time with countdown timer, and elapsed time alarm
- Two faceplate options: the grey faceplate with screen-printed nomenclature and a black faceplate with engraved nomenclature
- Keep-alive battery option
- FAA-PMA approved

Weight:	5 oz
Voltage:	14–28 VDC
Keep-alive Current:	0.00004 A
Greenwich Mean Time:	24 hour format
Local Time:	12 hour 24 hour option
Flight Time:	Records in hours and minutes up to 99:59 99.99 hour option
Flight Time Alarm:	Full set range flight time
Elapsed Time Count Up:	Starts in minutes and seconds, then hours and minutes up to 99:59
Elapsed Time Count Down:	Settable from 1 second to 59 minutes and 59 seconds
Elapsed Time Alarm:	Activates at zero when counting down
NVIS Option:	NVIS green A lighting
Battery Type:	AA size alkaline
Compatible With:	Israel Aircraft Industries Model 1125 Astra and Galaxy

EDMO#	MFR#	DESCRIPTION	COLOR
5-VOLT			
877-5V	1096-877-5V	877-5V | 5V illuminating buttons (rear mount)	Black
877A-5V	1097-877A-5V	877A-5V | 5V illuminating buttons (rear mount)	Gray
14-VOLT			
877-14V	1100-877-14V	877-14V | 14V illuminating buttons (rear mount)	Black
877-14V/24	1102-877-14V-24	877-14V | 14V illuminating buttons (rear mount), 24 hour	Black
28-VOLT			
877-28V	1104-877-28V	877-28V | 28V illuminating buttons (rear mount)	Black
877A-28V	1105-877A-28V	877A-28V | 28V illuminating buttons (rear mount)	Gray
ACCESSORIES			
KW115G	RP-KW115G	Replacement display module | 655/877/850	
M800R	M800R-28V	28V remote display unit | 850 & 877	

M880 CHRONOMETERS

The M880 series is designed for military use and provides GMT and elapsed time with a countdown timer and alarm.



880A-28

- 3 ATI front mount
- Two-button control system
- Laser-engraved faceplate
- Six-digit display provides GMT in hours, minutes, and seconds; local time; elapsed time with countdown timer; and elapsed time alarm
- The control switch can be set up for remote control
- An incandescent display is sunlight-readable and can be manually dimmed
- NVG filter compatible with NVIS green A or BG7B

Weight:	10 oz
Voltage:	28 VDC
Green Mean Time:	24 hour format, full six-digit hours/minute/seconds
Local Time:	12 hour or 24 hour option
Elapsed Time Count Up:	Starts in minutes and seconds, then hours and minutes, up to 99:59
Elapsed Time Count Down:	Settable from 1 second to 59 minutes and 59 seconds
Elapsed Time Alarm:	Activates at zero when counting down
NVIS Option:	NVIS green A or BG7B
Battery Type:	AA size alkaline
Compatible With:	For military use

EDMO#	MFR#	DESCRIPTION
880A-28	1109-880A	880A | NVIS Blue BG7B
880A-S-ENH	M880A-S-ENH	880A-ENH | NVIS green A
M880A-S	1110-880A-S	880A | NVIS green A

LC-2 CHRONOMETERS

ASTROTECH

The Astrotech LC-2 is a precision clock-timer that uses a custom-designed microprocessor circuit to provide time, date, and elapsed timer with a hold-out feature. The microprocessor is attached to a single circuit board—a simplified construction technique that results in a high degree of reliability and performance. The circuitry is not subject to dirt, vibration, friction, or the wear characteristics of mechanical clock movements.



AT420000

- LCD four-digit display has excellent readability for sunlight conditions
- Simple three-button operation
- Selectable 12- or 24-hour operation
- Internal lighting
- Rear mounts into standard 2-1/4 inch diameter instrument panel cutout

EDMO#	MFR#	DESCRIPTION
AT420000	AT420000	Panel mounted aircraft powered | 14V & 28V lamps included
AT420100	AT420100	Panel mounted powered with 2 internal AAA batteries | 14V & 28V lamps included

LM SERIES LCD HOUR METERS

HOBBS CORPORATION

The LM Series MCU (microcontroller unit) LCD (liquid crystal display) hour meters and counters are sealed digital instruments designed to monitor and record elapsed running time, normally displayed in hours and tenths of hours. These devices are used to log running time of equipment or counts of equipment use for potential use in transportation applications to assure proper maintenance of expensive machines or systems, as well as warranty claims and rental-use tracking.



LMHB2ASH31

- Round with bezel
- Running indicator
- Reverse polarity
- Load dump, inductive, and EMI transient immunity

Digital Height:	7 mm
Case Depth:	34 mm (including terminals)
Voltage Range:	9–64 VDC/AC (50–500 Hz); 50 Hz for counter enable
Digital Range Hours:	0 to 99,999.9 hours with auto turn over
Digital Range Counts:	0 to 999,999 counts with auto turn over
Accuracy:	±200 ppm/hour
Sealing:	IP67 (front); IP66 (back)
Shock:	55 g per SAE J1378; 75 g per MIL-M-3917D
Vibration:	20 g per SAE J1378; 10 g per MIL-M-3917D
Humidity:	95% non-condensing at 38°C [100.4°F]
Temperature Range:	Operating: -40°C to 85°C (-40°F to 185°F) Storage: -50°C to 90°C (-58°F to 190°F)

continued on next page

QUALITY & EXCELLENCE, WHATEVER IT TAKES.
THE EDMO WAY

EDMO Distributors is an independent wholesale distributor of aircraft electronics and accessories with a central office located in Spokane, Washington. Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.

Power Consumption:	0.8 mA @ 12 VDC
Start Time:	<1s; if including all "8" check, then >1 s

EDMO#	MFR#	DESCRIPTION
LMHB2ASH31	70378424	Round Hour Meter
LMHH2ASH21	70378425	Diamond Hour Meter

SON-ALERT AUDIO ALERT

DAVTRON INC
EDMO# SONALERT
MFR# RP-SONALERT

The Son-Alert is a warning alarm for use with chronometer models 800, 803, 850, and 877.



Weight:	1.5 oz
Frequency:	2900 Hz ± 500 Hz
Voltage Rating:	10–48 VDC
Mode of Operation:	Continuous Tone
Loudness:	Min. Voltage: 68 dBA min. @ 2 ft and 10 VDC Max. Voltage: 80 dBA min. @ 2 ft and 48 VDC
Current Draw:	4 mA max @ 10 VDC 18 mA max @ 48 VDC

PAI-700 VERTICAL CARD COMPASS

PRECISION AVIATION INC



PAI-700/14

The primary advantage of the PAI-700 vertical card compass over fluid-damped compasses is that it provides an easy-to-steer presentation of an aerodynamically designed lubber line on the lens that allows the pilot to view the entire 360-degree dial in the proper relation to flight.

- Satisfies FAA requirement that each aircraft must have a magnetic compass
- The magnetic-driven design has reduced lead and lag compared to other similar models due to eliminating pendulosity
- Naturally occurring, built-in eddy current dampening makes the design inherently stable

EDMO#	MFR#	DESCRIPTION
PAI-700/5	PAI-700/5	5-Volt
PAI-700/14	PAI-700	14-Volt
PAI-700/28	PAI-700	28-Volt
PAI-7005VR	PAI-700	5-Volt, Red
PAI70014SH	PAI-700	14-Volt, Southern Hemisphere
PAI70028SH	PAI-700	28-Volt, Southern Hemisphere
PAI700/28N	PAI-700/28 NVG	28-Volt, NVG Compatible Display
ACCESSORIES		
PACMG-2	PACMG-2	Universal Mounting Bracket | For Aircraft that Utilize a Glare Shield or Deck Mount
PACMO-CC	PACMO-CC	Mounting Bracket | Canadair Challenger
PACMOCCMOD	PACMO-CC MOD	Mounting Bracket | Canadair CL415 Waterbomber
PMO-CES2	PACMO-CESNO2	Custom Mounting Bracket | For Cessna Model the Utilize a One Piece Windshield
PMO-U	PACMO-UN	Universal Mounting Bracket | For Overhead Installation Above the Panel
PAI-LIT/14	PAI-14V	Light Assembly | 14 Volt
PAI-LIT/28	PAI-28V	Light Assembly | 28 Volt
PAI-LIT28N	PAI-28V PLUS BOOT FOR NVG (ACCEPTABLE)	Light Assembly | 28 Volt, Night Vision

ALTIMETERS & COMPASSES

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MD15 SERIES ALTIMETER

MID-CONTINENT INSTRUMENTS & AVIONICS
EDMO# MD15-32128
MFR# MD15-32128



The MD15 series two-inch altimeter is a pressure-actuated, sensitive altimeter built to meet or exceed SAE AS392C standards as per FAA TSO-C10b. This version is a 2-inch, 35K altimeter with 28V LED lighting, a right-hand knob, and an inHg measurement.

- Three-pointer indication
- Inset dial
- Displays the manual knob adjustment for barometric pressure correction
- An internal compensation mechanism maintains accuracy

Weight:	0.8 lb
Dimensions:	2.38 x 4.987 x 2.41 in (overall)
Altitude:	35,000 ft
Cover Glass:	HEA anti-reflective coated
Operating Temperature:	-30°C to +50°C (-22°F to +122°F)

TURN & SLIP INDICATORS

TURN & SLIP INDICATOR

MID-CONTINENT INSTRUMENTS & AVIONICS



These 3-inch turn and slip indicators are extremely reliable, have a proven track record through HALT testing and OEM usage since 1999, and are a top choice for more than 15 aircraft companies.

- Certified to FAA TSO C3b
- OEM standard—proven reliability
- Power warning indicator

Weight:	1.2 lb
Dimensions:	3.25 x 3.25 x 4.25 in
Input Voltage Range:	12–32 VDC

Turn Indication:	Standard 2-minute turn
Connector:	3 pins

EDMO#	MFR#	DESCRIPTION:	LIGHTED
1234T1003T	1234T100-3TZ	3-pin connector | black ball	Yes
1234T1007T	1234T100-7TZ	3-pin connector | black ball, Piper	No

1394T SERIES TURN COORDINATOR

MID-CONTINENT INSTRUMENTS & AVIONICS

The 1394T Series Turn Coordinator displays the rate of turn, quality and coordination of the turn, and roll information. Measurements are made relative to the strength of the force of gravity and the force of inertia caused by a turn.



Weight:	1.4 lb
Dimensions:	3.25 x 3.25 x 5 in
MTBF:	4,500 Hours
Turn Indication:	Standard 2-minute turn
Operating Temperature:	-30°C to + 50°C
Operating Altitude:	-1,000 ft to 35,000 ft
Input Voltage:	11–32V
Rotor Type:	AC
Power Consumption:	0.80 A (starting), 0.35 A (running)
Glass:	HEA non-glare (when specified)
Mounting:	3-1/8-inch front or rear panel
Inclinometer Ball Color:	Black
Inclinometer Background Color:	White
Connector:	3-pin
Certification:	FAA TSO certified to C3b

EDMO#	MFR#	DESCRIPTION:
1394T1003B	1394T100-3B	Turn Coordinator | 11-32V, 3-Pin, Lighted, Brushless
1394T1007B	1394T100-7B	Turn Coordinator | 11-32V, 3-Pin, Non-Lighted, Brushless

5550 SERIES TURN AND SLIP INDICATOR

MID-CONTINENT INSTRUMENTS & AVIONICS

EDMO# 55508340N5
MFR# 55508340N5L

The 5550 Series Turn and Slip Indicator displays the rate of turn and the slip or skid of the turn. The indicator contains an internal 400 Hz AC brushless gyro spin motor with a solid-state inverter.

- Compact 2 1/4-inch size saves valuable panel space
- Power warning indicator
- Commercially and militarily qualified



Weight:	1.5 lbs
Dimensions:	2.4 x 2.4 x 6.1 inches
Voltage:	28 VDC
Current:	0.4 A
Vibration:	.02 in. dbl. ampl. 1.5g @ 5–50 Hz
Altitude:	-100 to +35,000 feet
Humidity:	0 to 95% at 32°C
Operating Temperature:	-30°C to +50°C (–22°F to +122°F)
Mounting:	Front or rear panel
Connector:	3-, 4- or 5-pin AN type male
Certification	FAA TSO-C3b

LIFESAVER 4300 SERIES ATTITUDE INDICATOR

MID-CONTINENT INSTRUMENTS & AVIONICS

The Lifesaver® 4300-series, 3-inch attitude indicators provide one hour of emergency attitude reference in the event of aircraft power failure (non-battery backup versions are also available). The 4300 series is designed to be used as a primary or standby artificial horizon in fixed-wing and helicopters with a single connection that saves time in the installation process. The 4300 series provides 10 VDC to 32 VDC operation with anti-reflective glass, long-life lighting, and 7,500 hours MTBF.



43000-413

- Ideal primary or standby artificial horizon in fixed-wing and helicopter applications
- Single four-pin connector installation for primary and optional standby battery modes
- Lighting display and field-replaceable lighting
- Anti-reflective glass
- Custom versions available to match existing instrument/EFIS displays

Weight:	3.7 lb
Dimensions:	3.28 x 3.28 x 6.6 in (maximum)
Power Input:	10–32 VDC
Annunciators:	STBY PWR (standby power mode) TEST (battery test — red/green)
Lighting:	5, 14 or 28 VDC Incandescent Field-replaceable tray wired through main connector
Glass:	Special HEA anti-reflective coating
Panel Tilt:	Aircraft specific — calibrated at factory Specify exact tilt between 0° to 20° when ordering
Dial:	Rotating roll dial, delta symbolic airplane
Operating Temperature:	-30°C to 70°C
Battery:	Rechargeable, sealed lead-acid cells Life = 3 years in average aircraft environment Runtime = 60 minutes minimum, when fully charged and properly maintained
Mounting:	Rear mount in standard 3-1/8-inch round cut-out
Mating Connector:	Mid-Continent P/N 9015514 (MS3116F8–4S)

EDMO#	MFR#	DESCRIPTION	SYMBOLIC AIRPLANE	ROLL DIAL
4300-311-0	4300-311-0-28V	4300 Series with 28V Lighting	Traditional	Rotating
4300-411/0	4300-411/0	4300 Series with Lifesaver Gyro	Traditional	Rotating

*continued on next page

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EDMO#	MFR#	DESCRIPTION	SYMBOLIC AIRPLANE	ROLL DIAL
4300-413	4300-413	4300 Series with Battery Backup	Delta Wing	Fixed
ACCESSORIES				
36023	36023	Slip Indicator Assembly		
9015607	9015607	Replacement Standby Battery		

SI-11X CDI ELECTRONIC COURSE DEVIATION INDICATOR

SANDIA AEROSPACE
EDMO# 905020-00
MFR# 905020-00



The SI-11X Electronic Course Deviation Indicator is a panel-mounted device that displays lateral and vertical needles from a typical navigation receiver or GPS navigator. The non-certified SI-11X CDI is intended for the experimental aircraft market.

- 3.5-inch color LCD display with high visibility
- All solid state, no mechanical needles or flags
- Displays both VOR/LOC and GPS deviations
- Annunciates NAV or VLOC, GPS, and BC (Back Course)
- Ideal replacement for most mechanical CDIs, including the GI-106A
- Interface with virtually all VOR and GPS navigation units
- Small and lightweight, just 1" behind the panel
- Fits standard 3-1/8" round mounting hole

Weight:	0.56 lb
Dimensions:	3.52 x 3.22 x 1.84 in.
Power Input:	10–32 VDC
Current:	1 A
Power:	5 W
Viewing Angle:	60° Left/Right, 45° Up/Down
Operating Temperature:	-20°C to +55°C

AIRSPEED & VOR INDICATORS

ALTIMETER & AIRSPEED DIGITAL INSTRUMENTS

BARFIELD

The DAS650 Digital Airspeed Indicator is designed to be a direct replacement for the current analog instruments. Being of similar shape and size to existing analog instruments, the new digital version fits all Barfield 1811 series and most other manufacturers of analog pitot-static test sets. The DAS650 uses state-of-the-art transducer technology for pressure measurements, making it virtually immune to the frequent and costly repairs generally associated with analog instruments.



DAS-650

- Transducer technology provides the highest accuracy and best long-term stability available for line maintenance equipment
- Auto-zero function executes at each power-on, increasing airspeed accuracy
- No correction card needed
- Leak testing mode: activated by a single keystroke, displays leak rates in ft/min, knots/min, and metric equivalent units
- Backlit displays for easy reading during nighttime operation
- 1-year calibration cycle (OEM suggested cycle)

Weight:	DAS-650: 1.3 lb
Bezel Length/Width:	3.41 in / 3.41 in
Instrument Depth:	4.29 in
Body Diameter:	3.00 in
Airspeed Range:	0–650 kt
Differential Pressure:	0–30 inHg

EDMO#	MFR#	DESCRIPTION
DAS-650	101-02194	Digital Airspeed
ACCESSORIES		
102-02111	102-02111	Battery and Charger Kit
137-00010	137-00010	Battery Mounting Base
137-00021	137-00021	Smart Charger for 137-00021 Battery
137-00030	137-00030	Replacement Battery Pack
175-00207	175-00207	External Power Lead

903 VOR LOCALIZER & STATION INDENTIFIER

DAVTRON INC



903ID-1



903ID-2

Davtron VOR indicators are compact, computer-based instruments with a DVOR feature that digitally reads the aircraft's radial position from the VOR station. The radial position is displayed and updated every 0.8 seconds, and the VOR step-down fixes and intersections make it easy to read at a glance, while the instantaneous to/from switching capability makes the 903 a fast, efficient way to obtain VOR cross-links. The localizer mode displays course deviation numerically with the equivalent resolution of 1/2 dot of a CDI. In addition, the 903ID takes the Morse code identifier signal of the VOR station and sequentially displays the station letters on a single alphanumeric display at a readable rate. This device features two toggle switches on the front: the first allows the user to select NAV1 or NAV2, and the second provides To/From bearing selections. During the install process, the user can calibrate the 903ID using a small push button switch that, when pressed, allows the unit to become a signal level meter—this functionality removes the need for an external signal level meter during the installation process.

- Automatic VOR position orientation
- Localizer deviation and centerline
- Alphanumeric station identifier
- Instant to/from switching
- Digital filtering and signal processing
- Sunlight-readable incandescent display with automatic dimming
- Serial ASCII output of station and radial OFF flag

Weight:	6 oz
Input Voltage:	14–28 V
Input Signal:	0.35–10 V
Supply Current:	0.3 A
Operating Temperature:	-20°C to 55°C
DVOC Accuracy:	±2 degrees

EDMO#	MFR#	DESCRIPTION
903-1	1112-903-1	DVOR / LOC bar | front mount
903-2	1113-903-2	DVOR / LOC bar | rear mount
903ID-1	1114-903ID-1	Digital ID | front mount
903ID-2	1115-903ID-2	Digital ID | rear mount

AIRSPEED INDICATOR

U M A INC
EDMO# 16-210-400
MFR 16-210-400



UMA airspeed indicators are highly accurate instruments that use a diaphragm to detect the difference between the pitot pressure and static pressure. This airspeed indicator fits in a standard 2-1/4 inch mounting hole, has black and white dial markings, and has a 40-400 MPH range.

Weight:	6.9 oz
Dimensions:	3.63 x 2.25 in
Mounting Hole Diameter:	2 1/4 in
Range:	40–400 MPH
Dial Markings:	Black and white
Case Material:	Valox 420 plastic

VERTICAL SPEED INDICATOR

U M A INC



UMA TSO vertical airspeed indicators meet the FAA requirements of TSO C-8E specifications. These instruments make an excellent choice for installation in fixed-wing aircraft with reciprocating or turboprop engines.

- 2-1/4 inch mounting hole
- Black & white dial markings

Weight:	6.2 oz
Dimensions:	4.35 x 2.35 in
Mounting Hole Diameter:	2-1/4 in

EDMO#	MFR#	RANGE (FT/MIN)
T8-210-20	T8-210-20	0–2,000
T8-210-40	T8-210-40	0–4,000
T8-210-60	T8-210-60	0–6,000

VERTICAL SPEED INDICATOR

U M A INC
EDMO# 8-310-61S
MFR# 8-310-61SWW



The UMA 3-1/8-inch vertical airspeed indicator is designed for fixed-wing aircraft with reciprocating turboprop engines. Black and white dial.Rate of climb +/-0-6000' minimum. Dial has increasing/decreasing markings. Red Arc + 5000' TO -5000'.

- Increasing/decreasing markings
- Includes calibration sheet

Weight:	8.8 oz
Dimensions:	4.05 x 3.120 in
Mounting Hole Diameter:	3-1/8 in

VOLTMETERS & AMMETERS

DIGITAL O.A.T (FC) VOLTMETER

DAVTRON INC
EDMO# 307FCE
MFR# 1011-307FCE



The 307FCE OAT and voltmeter display outside air temperature data in Fahrenheit and Celsius, as well as voltage, on an easy-to-read screen with an installation that requires minimal panel space.

- Minimal panel space
- Sunlight-readable LED display with automatic dimming
- Miniature remote probe
- Laser-engraved faceplate
- FAA-PMA approved

Weight:	4 oz
Dimensions:	2.52 x 1.1 x 2.7 in (maximum)
Input Voltage:	14–30 V
Input Current:	150 mA (maximum)
Operating Temperature:	-40°C to 100°C (-40°F to 199°F)
Compatible With:	Robinson Helicopter Models R22 and R44

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VOLTMETERS
DAVTRON INC

450 SERIES



450

The Davtron 450 and 451 series voltmeters are smaller and lightweight instruments that precisely monitor aircraft voltage so that the pilot can more accurately gauge the amount of capacity remaining in the battery when there is a low voltage condition. The 425VA and the 425VAA series were designed for low current drain and are designed for use in standby and emergency battery packs for reading voltage and current flows.

- Lightweight and requires minimal panel space
- Automatic dimming and sunlight-readable display
- Laser-engraved faceplate
- Voltage with flashing alarm
- FAA-PMA approved
- Compatible with: Beech 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, 35-33A, with STC SA4381WP or SA4193 installed.

Weight:	3 oz
Dimensions:	2.92 x 1.4 x 1.65 in (maximum) 2.4 x 1.25 in (panel cutout)
Input Voltage:	14–28 VDC
Input Current:	150 mA
Resolution:	0.1 V
Accuracy:	±1% of full scale
Operating Temperature:	-25°C to 60°C

451 SERIES


451

- Lightweight and requires minimal panel space
- Automatic and sunlight-readable display
- Voltage (remote option available)
- FAA-PMA approved
- Compatible with: Beech 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, 35-33A, with STC SA4381WP or SA4193 installed

Dimensions:	2.15 x 1.25 in (maximum) 1.375 in, diameter
Input Voltage:	14–28 VDC
Input Current:	150 mA
Resolution:	0.1 V
Accuracy:	±1% of full scale
Operating Temperature:	-25°C to 60°C

475 SERIES



475VA-14V

- Low current drain: 0.001 amp
- Plus or minus 150.0 amp range
- Remote option available
- Sunlight-readable display
- One-tenth volt resolution
- FAA-PMA approved
- Compatible with: Waco Models, Classic Waco F5, and Classic Waco F5C

Dimensions:	2.375 x 2.375 x 1.3 in (maximum)
Input Voltage:	14–28 VDC
Input Current:	150 mA
Resolution:	0.1 V
Accuracy:	±1% of full scale
Operating Temperature:	-25°C to +60°C

EDMO#	MFR#	DESCRIPTION:
450 SERIES		
450	1018-450	Amber LED
450-GRN	1018.1-450-GRN	Green LED
450-WHT	1018.2-450-WHT	White LED
450A	1019-450A	Amber LED | remote sensing
450A-GRN	450A-GRN	Green LED | remote sensing
451 SERIES		
451	1023-451	1.25 round mount
475 SERIES		
475VA-14V	1025.2-475VA-14V	2-function DC Volts & Amps | 14 VDC
475VA-28V	1025.3-475VA-28V	2-function DC Volts & Amps | 28 VDC
475VA-R28	1025.6-475VA-R-28V	28 VDC with remote shunt
475VAA-14V	1028-475VAA-14V	DC volts, battery amp, ALT amp | 14 VDC
475VAA-28V	1029-475VAA-28V	DC volts, battery amp, ALT amp | 28 VDC

DUAL AMMETER VOLTMETER
U M A INC
EDMO# 15-200-100
MFR# 15-200-100



UMA 2-1/4-inch dual ammeter/voltmeters are rugged and reliable instruments for measuring the current within the aircraft's electrical system. or easy of installation, UMA Amp meters use an external shunt to make current measurements.

Mounting Hole:	2-1/4 in.
Range:	0–100 A / 0–30 V
Shunt:	1 CU4 100A (50 mV)
Operation Principle:	Moving Coil

ELECTRIC AMMETER
U M A INC
EDMO# 15-260-100
MFR# 15-260-100



The UMA 2-1/4-inch, 100-amp ammeter requires an external shunt, which is included in the gauge. Standard markings on this gauge are black and white.

Mounting Hole:	2-1/4 in.
Range:	100/0/100 A
Shunt:	1 CU4 100A (50 mV)
Operation Principle:	Air-core

PRESSURE & TEMPERATURE SENSORS

M655 SERIES MULTIFUNCTION INDICATORS

DAVTRON INC

The M655 Series Multi-function displays that bring digital information to the pilot at the push of a button. This multi-function instrument displays aircraft voltage, outside air temperature in Fahrenheit and centigrade, pressure altitude, and computes density altitude for the pilot. Using air density altitude, take-off roll length, maximum rate of climb, and fuel combustion can be determined.



655-2

- Fits standard 2-1/4 inch mount or front mount
- Voltage and deviation alarm (not on NVG unit)
- Sunlight-readable display
- FAA-PMA approved

Weight:	5 oz
Dimensions:	2.373 x 1.875 x 1.40 in (maximum)
Voltage Range:	10 V to 32 V
Input Voltage:	14 V to 28 V
Input Current:	0.35 A
Accuracy:	±1% of full scale
Density Altitude:	-10,000 to 30,000 ft
Pressure Altitude:	-1,000 to 62,700 ft
Operating Temperature:	-55°C to 100°C
Compatible With:	Beech Models 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33, and 35-A33

EDMO#	MFR#	DESCRIPTION
655-1	1032-655-1	Rectangular mount
655-2	1033-655-2	Square rear mount
655-2-NVG	1033.1-655-2-NVG	Square rear mount | NVIS
ACCESSORIES		
655-NUT	PROBE-NICKEL-655-NUT	Nut for temperature probe (request addition O-ring & washer if needed)

M303 SERIES MULTIFUNCTION INDICATORS

DAVTRON INC

The M303 Series multi-function indicator displays outside air temperature, in Fahrenheit and Celsius, while also displaying voltage readings so that the pilot can anticipate low voltage conditions before they occur. The M303 is equipped with indicators and a low voltage alarm.



303-2

- 2-1/4 inch standard mount or front mount
- Automatic dimming
- Miniature remote probe
- Sunlight-readable displays
- Aircraft voltage with alarm
- Laser-engraved faceplate FAA-PMA approved

Weight:	5 oz
Dimensions:	2.375 x 2.375 x 1.40 in (maximum)
Voltage Range:	10–32 V ± 0.2 V, typical
Input Voltage:	14–28 V
Input Current:	100 mA, maximum
Temperature Range:	Operating: -25°C to 60°C Storage: -40°C to 100°C
Compatible With:	Beech 35, A35, B35, C35, D35, E35, F35, G35, H35, J35, K35, M35, N35, 35-33 and 35-A33

EDMO#	MFR#	DESCRIPTION
303-1	1005-303-1	Front mount
303-2	1006-303-2	Rear mount

M301 SERIES TEMPERATURE INDICATORS

DAVTRON INC

The M301 Series temperature indicators display outside air temperature in either Celsius or Fahrenheit. Additional LED screen colors and configurations are available; see table.



301C/A



301F-GRN

- Minimum panel space
- Automatic dimming
- Miniature remote probe
- Sunlight-readable LED display
- Laser-engraved faceplate
- FAA-PMA approved

Weight:	4 oz
Dimensions:	1.4 x 2.92 x 1.65 in, maximum
Input Voltage:	14–28 V
Input Current:	150 mA, maximum
Temperature Range:	301C: -40°C to 100°C 301F: -40°C to 199°C -25°C to 60°C
Compatible With:	Schweizer Model 269D, Diamond Aircraft Model DA20-A1

EDMO#	MFR#	DESCRIPTION
CELSIUS		
301C	1001-301C	O.A.T | Includes temperature probe
301C-A-GRN	1002.1-301C-A-GRN	O.A.T with 3-pin connector for probe | Green LED
301C-A-WHT	1002.2-301C-A-WHT	O.A.T with 3-pin connector for probe | White LED
301C-GRN	1001.1-301C-GRN	O.A.T | Green LED
301C-WHT	1001.2-301C-WHT	O.A.T | White LED
301C/A	1002-301C-A	O.A.T with 3-pin connector for probe |Includes temperature probe
FAHRENHEIT		
301F	1003-301F	O.A.T | includes temperature probe
301F-GRN	1003.2-301F-GRN	O.A.T | Green LED
301F-WHT	1003.3-301F-WHT	O.A.T | White LED
301F/A	1004-301F-A	O.A.T with 3-pin connector for probe | Includes temperature probe

307FCI CABIN AND OUTSIDE AIR TEMP INDICATOR

DAVTRON INC
EDMO# 307FCI
MFR# 1012-307FCI



The 307FCI Cabin and Outside Air Temperature Indicator provides outside air temperature data and cabin air temperature in Fahrenheit and Celsius on a sunlight-readable display with automatic dimming. Installation that requires minimal panel space.

- Miniature remote probe
- Laser-engraved faceplate
- FAA-PMA approved

Weight:	4 oz
Dimensions:	2.52 x 1.1 x 2.7 in (maximum)
Input Voltage:	12 V to 30 V
Input Channel:	150 mV (maximum)
Temperature Range:	Operating: 25°C to 60°C Storage: -40°C to 100°C (-40°F to 199°F)
Compatible With:	Compatible with: DeHavilland Models Dash-8, Series 100 (Model 101, 102, 103)

O.A.T. F&C INDICATOR

DAVTRON INC
EDMO# 307FC
MFR# 1010-307FC



The 307 series digital outside air temperature (O.A.T.) gauge replaces one of the most difficult instruments to read in the cockpit. The digital probe with 12 ft cabling sends an accurate reading to the panel mount, a super bright, sunlight-readable LED display.

- Minimal panel space
- Automatic dimming
- Miniature remote probe
- Laser-engraved faceplate

Weight:	4 oz
Dimensions:	2.52 x 1.1 x 2.7 in (maximum)
Input Voltage:	14 V to 30 V
Input Current:	150 mA (maximum)
Operating Temperature:	-40°C to 100°C (-40°F to 199°F)
Compatible With:	Robinson Helicopter Models R22 and R44

DEGREE DIFFERENTIAL INTERCOOLER GAUGE W/ MINI PROBE

DAVTRON INC

The 307FD-CD Differential Intercooler Gauge displays engine air cooling in Celsius or Fahrenheit.



307CD

- Minimal panel space
- Automatic dimming
- Miniature remote probe
- Laser-engraved faceplate

Weight:	4 oz
Dimensions:	2.52 x 1.1 x 2.7 in (maximum)
Input Voltage:	12 V and 30 V
Input Current:	150 mA (maximum)
Temperature Range:	Operating: -25°C to 60°C Storage: -65°C to 150°C (-70°F to 290°F)
Compatible:	Piper Aircraft Models PA-28-201-T, PA-28R-201T, and PA-28RT-201T

EDMO#	MFG#	DESCRIPTION
307CD	1009-307CD	M307 Celsius Differential Intercooler Gauge
307FD	1014-307FD	M307 Fahrenheit Differential Intercooler Gauge

DAVTRON TEMPERATURE PROBES

DAVTRON INC

ANALOG TEMPERATURE PROBE

Davtron temperature probes equipped with an analog devices AD590KH, 2-terminal temperature-to-voltage transducer.



655 PROBE

- Linear current output 1uA/K (AD-590KH)
- Wide temperature range
- 2-terminal device: voltage in/current out (analog)

Power supply:	4–30 V
Linear Current Output:	1uA/K (AD590KH)
Terminals:	Voltage In/Current Out
Operating Temperature:	-55°C to 150°C
Material:	Nickel-plated nut & case
Approvals:	DO-169 salt-fog tested

DIGITAL TEMPERATURE PROBE

Davtron's D307PS probe is simple and efficient to use, requiring only one port pin for communication and no external components.



D307PS

- Uses a 1-wire® interface that requires only one port pin for communication and no external components
- Each device has a unique 64-bit serial code stored in an onboard ROM
- Multidrop capability provides simplified distributed temperature-sending applications
- No external components required
- Can be powered from a data line

Power supply:	3–5.5 V
Interface:	1-wire, requires one port pin
Operating Temperature:	-65°C to 125°C
Material:	Nickel-plated probe, case, & nut
Approvals:	DO-160 salt-fog tested

EDMO#	MFR#	DESCRIPTION	COMPATIBLE WITH:
ANALOG			
655 PROBE	PROBE-7FT-RB	2-wire temperature probe | 7 ft coax cable	301, 303, 307, & 655
C307PS	PROBE-12-FT-WHT-C307PS	2-wire temperature probe | 12 ft coax cable	301, 303, 307, 655, & 803
PROBE-2FT	PROBE-2FT-RB-MINI	2-wire temperature probe | 2 ft coax cable	307CD & 307FD
655PROBE25	655 PROBE-25FT	2-wire temperature probe | 25 ft coax cable	301, 303, 307, 655
DIGITAL			
D307PS	PROBE-12-FT-WHT-D307PS	1-wire temperature probe | 12 ft coax cable	301, 303, 307, & 655

MD11 CARBURETOR AIR TEMPERATURE INDICATOR

MID-CONTINENT INSTRUMENTS & AVIONICS

The MD11 Series Carburetor Air Temperature Indicator senses the internal carburetor temperature when used with the B-5 Probe that is FAA approved and STC'd. The probe is designed to be installed at the throttle valve, a critical icing point in fuel induction systems. The indicator has a reading within 1ºC for maximum safety and engine efficiency.



- Detects potential carburetor icing
- Reduces spark plug fouling
- Extends engine life
- Helps attain maximum fuel economy, range, and power
- Probe fits pre-tapped hole in Marvel-Schebler and Bendix carburetors
- Quality connector included
- Supplemental Type Certification FAA PMA approved

Weight:	0.3 lbs
Dimensions:	2.4 x 2.5 x 2.7 in
Input Voltage:	28 VDC
Operating Temperature:	–40°F to 190°F (–40°C to 87°C)
Indicating Temperature:	–22°F to 86°F(–30°C to 30°C)
Altitude:	–1,000 to 40,000 ft
Humidity:	0 to 90% at 25°C
Vibration:	0.02 in dbl. ampl., 1.5g @ 5 to 50 Hz
Mounting:	Front or Rear Panel
Case Material:	Flame-Retardant Polycarbonate
Connector:	3-pin AN type male (MS3102A–14S–07P)
Mating Connector:	3-pin AN type female (MS3106A14S–7S with MS3057–6A)
Certification:	FAA PMA Approved

EDMO#	MFG#	DESCRIPTION
MD11-4	MD11-4	Carburetor Air Temperature Indicator | 28V
ACCESSORIES		
B-5 PROBE	B-5 PROBE	Carburetor Air Temperature Probe

OAT TEMPERATURE PROBE ASSEMBLY KIT

SHADIN AVIONICS
EDMO# 681201-1
MFR# 681201-1



Shadin Avionics outside air temperature (OAT) probe assembly kit provides accurate air temperature measurements for air data computers and other airborne systems.

1BX THERMISTOR TEMPERATURE PROBE

U M A INC



The 1BX thermistor temperature probe is 5/8-18 threaded brass designed for engine monitoring. All 1BX temperature probes contain a 5K thermistor for temperature sensing. Black 6-inch twisted lead wire pair.

LEAD SPECIFICATIONS	
Weight:	2 oz
Minimum Lead Length:	6 in twisted pair
Gauge:	#22 AWG
Wire Type:	Teflon Hook-Up wire
Wire Color:	Black
THERMISTOR SPECIFICATIONS	
Type:	NTC (RL0503-2890-95-MS)
Material:	D9.5
Accuracy:	+/- 1C @ 25°C
Resistance:	5K ohms @ 25°C
Operating Temperature:	-50°C to 150°C

EDMO#	MFG#	DESCRIPTION
1B3A	1B3A	1B3A Thermistor Probe | 5/8-18 Thread
1B3A-R	1B3A-R	1B3A Thermistor Probe | 5/8-18 Thread
1B10	1B10	1B10 Carburetor Thermistor Probe | 1/4-28 Thread

2BX CHT TEMPERATURE PROBE

U M A INC
EDMO# 2B18
MFR# 2B18



The 2BX CHT Temperature Probe is an 18 mm spark plug ring type probe with a Type J thermocouple sensor and 6-inch lead wires.

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CYLINDER HEAD TEMPERATURE INDICATOR

U M A INC
EDMO# 12-460600F
MFR# 12-460-600F



This cylinder head temperature gauge has a temperature range from 100°F to 600°F. It has a 2 1/4 inch display diameter, a black and white dial, and includes wire leads.

Weight:	4.7 oz
Dimensions:	3.08 x 2.24 in
Case:	Valox 420 Plastic
Indicating Temperature:	100°F to 600°F
Dial Markings:	Black and White
Required Probe:	2BX (Type J Thermocouple)

AIRSPEED SWITCH

BISHOP AVIATION
EDMO# S-1498-2
MFR# S1498-2



The S1498-2 airspeed switch mounts externally on Cessna aircraft. Connects to the pitot static tube on the wing and allows air from the pitot static tube to activate the hourmeter.

HOBBS PRESSURE SWITCHES

HOBBS CORPORATION


76579


77039


79380

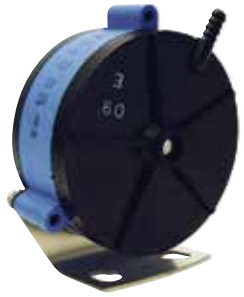
The 5000 Series pressure switches are specifically designed for use in extended duty applications. These switches are factory set but can be adjusted in the field. It features a Kapton diaphragm for compatibility with a wide variety of fluids and various terminations, including a Metri-Pack connector that forms a tight seal when connected.

Type:	Direct action blade contact	
Contacts:	Silver alloy, gold plated	
Set point:	Factory set from 0.5 psi to 150 psi	
Operating Pressure:	150 psi for 0.5 – 24 psi set point range 250 psi for 25 – 150 psi set point range	
Proof Pressure:	500 psi	
Burst Pressure:	750 psi for 0.5–24 psi 1250 psi for 25–150 set point range	
Ratings:	Resistive: 15 A @ 6 VDC 8 A @ 12 VDC 4 A @ 24 VDC	Inductive: 1 A @ 120 VDC 0.5 A @ 240 VDC
Diaphragm:	Polyimide film	
Operating Temperature:	-40°F to 250°F	
Connector:	1/8 -27 NPT male thread	
Terminals:	#8-32 screws, 1/4-inch blade, 280-Series Metri-Pack	
Base:	Plated steel	
Cover:	Glass reinforced polyester	

EDMO#	MFR#	DESCRIPTION	CONTACT SETTING / FACTORY SET AT:
SINGLE CIRCUIT / TWO TERMINALS			
76575	076575C	N.O. circuitry	3.1 – 7 psi / 4 psi
76577-4	76577-00000040-01	N.C. circuitry	3.1 – 7 psi / 4 psi
76577B-4	76577B-4	N.C. circuitry	3.1 – 7 psi / 4 psi
76576	076576d	N.O. circuitry	8 – 13 psi / 10 psi
76062-15	0760620000015005	N.C. circuitry	14 – 24 psi / 15 psi
DUAL CIRCUIT / ONE CIRCUIT ADJUSTABLE			
77039	077039C	With Merti-Pack terminal, mates with Packard P/N 12034147)	4 – 6 psi / 5 psi
76580-10	76580-10	Screw terminals	8 – 13 psi / 10 psi
76072-15	76072D	Screw terminals	14 – 24 psi / 15 psi
ACCESSORIES			
79380	079380A 00	Boot for Hobbs pressure switch	

AIRSPEED & PRESSURE SWITCHES

AEROMETER AIRSPEED SWITCH/STC



The aerometer is an FAA PMA-approved device that electronically activates an hour meter when an aircraft exceeds 27 mph. The aerometer accurately tracks an aircraft's "time in service" from the moment it takes off to the moment it touches down again and not the time spent taxiing, warming up, or waiting for clearances. This device comes in a complete kit, and installation time takes about two hours without requiring structural or sheet metal modifications. Certain aircraft may require an additional installation kit.


AMTR 3/16


AMTR 1/4

EDMO#	MFR#	DESCRIPTION
AEROMETER	AEROMETER	Hourmeter airspeed activation switch
INSTALLATION KITS		
AMTR 1/4	AMTR 1/4	Aerometer installation kit 1/4 in | Includes: (1 ea.) MS20825-4D, (1 ea.) 266N04X02, (2 ea.) 290-4D, (2 ea.) 213-4D, and (2 ea.) 231-4D
AMTR 3/16	AEROMETER 3/16" KIT	Aerometer installation kit 3/16 in | Includes: rubber or aluminum pitot system, (1 ea.) MS20825-4D "T", (2 ea.) MS27404-4D, hose adapter (311-4D), 266N-04-02 adapter

16

PRESSURE SWITCH 60PSI

HONEYWELL
EDMO# 76074-6001
MFR# 76074-00000600-01



The pressure switch is specifically designed to stand up to extended duty applications. This switch is factory set but capable of field adjustment. It features a Kapton diaphragm for compatibility with a wide variety of fluids, and various terminations.

PRESSURE SENSORS



0503DC

The MPL 500 Series are miniature pressure sensors with set points available from 0.05 in/H2O to 20 PSI. Standard features include high and low ports that are parallel to the body and can be applied for pressure, vacuum, or differential inputs. The 500 Series pressure switches are excellent for general-purpose applications suitable for low-pressure to electric interfaces for monitoring and control.

Resistance:	500 mΩ, max.
Burst:	25 PSI
Contacts:	Gold-alloy, cross-point
Body:	Glass-filled polyester
Diaphragm:	Polyurethane, fluorosilicone, EPDM, Teflon®
Operating Temperature:	-40°C to 120°C

EDMO#	MFR#	CIRCUIT / FACTORY SET POINT:
0503DC	0503DC-BP-0006	Normally closed | 1-inch in H2O
MPL503	0503DO-XS-0001	Normally open | 0.5–3-inch in H2O
MPL-503E	0503VO-BP-0005	Normally open | 40–150-inch in H2O

PRESSURE SENDING UNIT

U M A INC



UMA pressure senders are TSO-approved and feature precision, solid-state sensors and circuitry offering unequaled performance. These pressure senders are available in gauge, differential, and absolute types and are compatible with avgas, jet fuel, engine oil, and many other fluids. The internal voltage regulator makes these units compatible with indicating instruments that do not have precision output voltages. Units for fuel and oil pressure are certified under TSO-C47, and manifold pressure is under TSO-C45a.

Weight:	2.6 oz
Dimensions:	2 x 1.5 in
Output Voltage:	0.2–4.7 V
Ranges:	0–7 PSI 0–150 PSI 0–70 in-Hg
Pressure Fitting:	1/8-inch -27 NPT
Operating Temperature:	-40°C to 120°C
Mounting Threads:	5/8-inch -18
Connection:	3-wire
Compatibility:	AVGAS-Oil-Jet fuel-water

EDMO#	MFR#	RANGE	MAX. PRESSURE
T1EU70A	T1EU70A	5–70 in-Hg	236 in-Hg
T1EU70A-CS	T1EU70A-CS	5–70 in-Hg	236 in-Hg
T1EU150G	T1EU150G	0–150 PSI	580 PSI

CO DETECTORS

AERO 553 MULTI-FUNCTION CO DETECTOR

GUARDIAN AVIONICS



The AERO 553 Multi-Function Carbon Monoxide (CO) detector is a panel-mounted TSO-certified unit designed especially for use in both FAA-certified aircraft and experimental aircraft. Designed to fit in a standard 2.25-inch panel cutout, the AERO 553 features a clock, timer, temperature, cabin, and density altitude functions, along with highly accurate and extremely fast CO detection and PPM readings within the cockpit on an easy-to-read LCD display. The AERO 553 will detect and display true CO levels from 30 PPM to 999 PPM for real-time tracking of carbon monoxide in the cockpit. The 553 will alarm if the CO level exceeds 50-70 ppm for more than 5 minutes or will provide an instant alarm if CO spikes above 300 ppm within one minute. The built-in pressure sensor indicates altitude warnings at 10,000 feet, 12,500 feet, and 14,000 feet as a reminder to the pilot that supplemental oxygen should be used. These warnings are displayed on an optional annunciator light. This CO detection unit is perfect for owners and pilots looking for protection from the dangers of carbon monoxide in their certified aircraft and integration with an existing PFD, MFD, or engine monitor system.

- Clock function displays local and Zulu time in a 24-hour format
- Flight timer starts automatically on takeoff when 150 feet above runway level; a manual start is also available
- Stopwatch function allows pilots to time any segment of the flight
- Keeps track of inside and outside air temperature in Fahrenheit and Celsius
- Instant alerts when battery level drops or rises above preset levels for 14- and 28-volt systems
- Density altitude is based on the absolute pressure and OAT

AERO 553 COMAPATIBLE PFD, MFD, AND ENGINE MONITOR PRODUCTS:

- Garmin: Garmin G3X, Garmin G3X Touch, Garmin GNS 480, Garmin G900 (Garmin G1000 reporting available with AERO 452 OEM unit only)
- J.P. Instruments (JPI): EDM 730, EDM 830, EDM 900 Primary, EDM 900 Experimental, EDM 960 Twin
- Electronics Instruments (EI): MVP50P, MVP-50T, CGR-30P
- Advanced Flight System: AF2500/3500/4500/5000/5400/5500/5600/5800
- Grand Rapids Technologies (GRT): Sports SX, Horizon HX, and HXr EFIS Systems
- Ultra Electronics: AuRACLE CRM 2120
- MGL Avionics: XTreme EFIS

Weight:	7.5 oz
Dimensions:	2.25 x 2.25 x 2.5 in
Input Voltage:	9–30 VDC
Power Consumption:	< 2 W
Circuit Breaker:	2 A

*continued on next page

Humidity:	5% to 95% (non-compensating)
Interface:	RS232 to UPS CNX80; CO level, cabin temperature, and cabin pressure (software level 2.0 required on CNX80)
Operating Temperature:	0°F to 110°F

EDMO#	MFR#	
553-101001	553-101-001	Panel Mount Digital Multi-Function CO Detector
ACCESSORIES		
553-500	553-500	OAT Probe

AERO 551 DIGITAL CO DETECTOR

GUARDIAN AVIONICS
EDMO# 551-101002
MFR# 551-101-002



The AERO 551-101 Digital Carbon Monoxide (CO) detector is a panel mounted TSO Certified unit designed especially for use in both FAA certified aircraft and experimental aircraft. Designed to fit in and replace a standard 2.25 inch instrument panel clock, the AERO 551 gives a highly accurate and extremely fast CO detection and PPM readings within the cockpit on an easy-to-read LCD display. The AERO 551 displays carbon monoxide (CO) levels on the screen from 10 ppm to 999 ppm. The onboard LCD and audio alarm and headset tone generator will sound within 5 minutes if the CO level stays above 75 ±5 ppm. If the CO level rises above 300 ppm, the alarms will trigger within one minute.

- Pressure sensor tested to 25,000 feet

Weight:	7.5 oz
Dimensions:	2.25 x 2.25 x 2.5 in
Circuit Breaker:	2 A
Power Consumption:	< 2 W
Humidity:	5% to 95% (non-compensating)
Interface:	RS232
Operating Temperature:	0°F to 122°F

AERO 455 PULSE OXIMETER AND CO DETECTOR

GUARDIAN AVIONICS
EDMO# 455101001R
MFR# 455-101-001R



The AERO 455 panel-mounted pulse oximeter and carbon monoxide (CO) detector is a compact unit that conveniently mounts to the panel, allowing pilots and crew to measure blood oxygen levels and heart rate along with cabin temperature, cabin altitude, and accurate CO detection in the cabin with a display on an external unit. This TSO-certified device is designed for owners and pilots of certified aircraft who require protection from the dangers of hypoxia while flying at altitude and from carbon monoxide in the cabin. The built-in pressure sensor reminds pilots when supplemental oxygen should be used at 10,000, 12,500, and 14,000 feet. If the CO levels climb above 50 ppm, a loud 85 dB audible warning will sound along with a flashing amber light. If CO levels climb above 99 ppm, the audible alarm and a flashing red light will be triggered. An RS-232 serial connection allows CO reporting and alerts to be displayed on a primary flight display (PFD), a multi-function display (MFD), and also engine monitoring products, as well as the AERO 55 display unit.

- Built-in carbon monoxide (CO) detector displays above 10 ppm
- CO greater than 50 ppm triggers an alarm mode within five minutes
- Internal fan for optimum CO sensing
- Tone generator for headsets
- Built-in pressure sensor provides cabin pressure altitude warnings at 10K, 12.5K, and 14K feet
- Pressure sensor tested up to 25,000 feet
- RS-232 output reports CO levels, heart rate, cabin pressure, cabin temperature, and SPO2 blood oxygen level

DISPLAY INFORMATION FOR CARBON MONOXIDE DETECTOR/PULSE OXIMETER:

- Garmin G3X, Garmin G3X Touch, G900 and G1000 display CO levels, heart rate, and SPO2 levels; GNS 480 displays CO levels only
- JPI EDM 730, EDM 830, EDM 900 Primary, EDM 900 Experimental, and EDM 960 Twin display CO levels, heart rate, and SPO2 levels
- Electronic Instruments MVP-50P, MVP-50T, and CGR-30P display CO levels
- Grand Rapids Technologies Sport Series, Horizon HX, and HXr EFIS Systems display CO levels, heart rate, and SPO2 levels

Weight:	8 oz
Dimensions:	2.95 x 2.5 x 2.5 in
Input Voltage:	14 or 28 VDC
Bluetooth:	Supports Nonin 9560 through a Bluetooth connection Remotely monitor a passenger with a Nonin pulse oximeter on a G1000
RS-232 Output:	CO level, heart rate, cabin temperature, cabin pressure, SPO2 blood oxygen level
Operating Temperature:	-20°C to 70°C

AERO 454 CO DETECTOR

GUARDIAN AVIONICS
EDMO# 454-201101
MFR# 454-201-101



454-201101

The AERO 454 Carbon Monoxide (CO) detector with built-in Bluetooth® receives data from an airplane's panel-mounted GPS and wirelessly transmits GPS location to an iPad or iPhone. This unit is designed to detect, measure, and provide alerts to the crew of reciprocating engine-type aircraft before the cockpit level of carbon monoxide (CO) reaches a critical level. The built-in pressure sensor indicates altitude warnings at 10,000 feet, 12,500 feet, and 14,000 feet as a reminder to the pilot that supplemental oxygen should be used. These warnings are displayed on an optional annunciator light.

- Bluetooth enabled: GPS data transmitted to tablets supported by Apple iOS
- Built-in pressure sensor provides cabin pressure altitude warnings at 10,000, 12,500, and 14,000 feet
- Tone generator for headsets
- RS-232 serial connection included for reporting on external systems

Weight:	4 oz
Dimensions:	4.5 x 1.625 x 1.25 in
Input Voltage:	14 or 28 VDC
Humidity:	5% to 95% (non-condensing)
Circuit Breaker:	2 A

AERO 452 CO DETECTOR

GUARDIAN AVIONICS



452-101011

The AERO 452 is a highly accurate, TSO-certified CO detector and cabin pressure warning device that displays information to supported external display units. This CO detection unit provides aircraft owners and pilots protection from the dangers of carbon monoxide in their certified aircraft and also integrates with existing PFD, MFD, or other engine monitor systems. Compact and lightweight, this TSO-certified unit requires little panel space and provides simple installation in FAA-certified aircraft. If the AERO 452 detects CO levels above 50 ppm, a loud audible warning sound with a flashing LED light will alert the pilot. The built-in pressure sensor indicates altitude warnings at 10,000 feet, 12,500 feet, and 14,000 feet as a reminder to the pilot that supplemental oxygen should be used.

- Shielded to prevent EMI with aircraft systems
- Audible alarm with varying pitch at 85 dB

Weight:	3.5 oz
Dimensions:	3.35 x 2.25 x 1.5 in
Input Voltage:	14 or 28 VDC
Indicator Lights:	LED Red and Amber CO Alert lights LED Green Nominal Indication Light
Fan:	Internal for optimum sensing
Altitude:	Tested up to 15,000 ft
Operating Temperature:	0°F to 110°F
Connector:	RS-232 serial connection

EDMO#	MFR#	DESCRIPTION
452-101011	452-101-011	Panel mount
452-201011	452-201-011	Remote mount
ACCESSORIES		
452-201099	52-32	8-pin Female to 9-pin Female Harness

AERO 451 CO DETECTOR

GUARDIAN AVIONICS



451-101

The AERO 451 is a panel-mount carbon monoxide detector designed for FAA-certified Part 23 aircraft and Part 27 and Part 29 rotorcraft. Compact and lightweight, this CO detector requires little panel space and provides highly accurate CO detection. Onboard CO sensor alarms warn users when CO levels measure greater than 50 ppm with a loud audible alarm and flashing LED light. This unit is perfect for builders and pilots who are looking for basic protection from the dangers of carbon monoxide in their certified aircraft or helicopter.

- Shielded to prevent EMI with aircraft systems
- Built-in temperature compensating circuit
- Audible alarms with varying pitch at 85 dB Designed for Part 23 aircraft and Part 27 and 29 helicopters

Weight:	3.5 oz
Dimensions:	3.35 x 2.25 x 1.5 in
Input Power:	14–28 VDC
Indicator Lights:	LED Red and Amber CO Alert lights LED Green Nominal Indication Light
Operating Temperature:	0°F to 110°F

EDMO#	MFR#	DESCRIPTION
451-101	451-101	Panel mount
451-201	451-201	Remote mount

MY-CO CARBON MONOXIDE DETECTOR

GUARDIAN AVIONICS
EDMO# MYCO49370
MFR# MYCO49370



The MY-CO Carbon Monoxide Detector is flight safety in a compact device. The smart design uses a USB power source to power up and give constant CO monitoring when travelling. The convenient USB pass through prevents blocking available USB ports needed to facilitate other devices in the cockpit. MY-CO starts sensing at 1 PPM with the warning starting at 20 PPM +-1, triggering the red LED alert wig-wag.

- Auto power On/Off
- Includes protective case

Weight:	0.54 oz
Dimensions:	15/16 x 2 x 5/8 in
Range:	0-1000 PPM
Alert Response:	1 sec
Resolution:	1 PPM
Port Type:	USB Type A, pass through to USB Type A

COMM/NAVIGATION SYSTEMS

TX56 AND TX57 NAV/COM

TRIG AVIONICS LIMITED



The TX56 and TX57 Nav/Com units provide the ideal platform to update legacy avionics or equip your new aircraft. Slimline and highly efficient, both Nav/Com models are housed within a superbly engineered case. At only 33mm high, each unit saves valuable space yet contains an impressive selection of practical features for any pilot.

The TX56 family of products is available with 8.33 kHz channel spacing or conventional 25 kHz spacing, with 10-watt or 16-watt transmit power. The TX56A and TX57A are 760-channel radio versions (non-8.33 kHz for use outside Europe).

- Bright, clear display/simple user interface
- Unique 'Push Step' for faster tuning
- Dual Watch—monitor two com or two nav frequencies at the same time
- Stereo music/two-place intercom
- 'Say Again' feature—allows playback of last transmission
- USB port on the fascia—upload over 200 com and 200 nav frequencies and identifiers database (CSV file)
- VOR/ILS receiver—monitor a 2nd VOR, improve navigational accuracy
- Built-in VOR/LOC converter, digital CDI, and 40-channel glideslope receiver
- Highly efficient—no cooling fans or external cooling required
- Ideal retrofit for legacy radios—unit is the same height as an SL30

*continued on next page

Weight:	2.42 lb (1.1 kg)
Dimensions:	1.3 x 6.26 x 10.63 in (33 x 158.75 x 273.72 mm)
Install Depth:	9.05 in (230 mm), in tray
Supply Voltage:	11–33 VDC (TX56); 22–33 VDC (TX57)
Nominal Transmit Power:	11 W (TX56); 16 W (TX57)
Power Consumption:	TX56: 140 mA (receive), 2.5A (transmit) TX57: 140 mA (receive), 2.5A (transmit)
Operating Temperature:	-20°C to 55°C
Certification:	ETSO 2C128, 2C169a, 2C34f, ETSO 2C36f, 2C40c, TSO-C128a, TSO-C169a, C34e, TSO-C36e, C40c

EDMO#	MFR#	DESCRIPTION
01577-00	01577-00-01	TX56 Nav/Com Radio
01579-00	01579-00-01	TX57 Nav/Com Radio
01955-00	01955-00-01	TX56A Nav/Com Radio
01957-00	01957-00-01	TX57A Nav/Com Radio
ACCESSORIES		
01940-00	01940-00	TX56/TX57 Installation Kit
02126-00	02126-00	TX56/TX57 Mounting Tray, Installation Kit and Manuals
02447-00	02447-00	Complete Stack System Bundle | TMA44, TX56A, TY96A, TT31

TI106 CDI COURSE DEVIATION INDICATOR

TRIG AVIONICS LIMITED
EDMO# 01913-00
MFR# 01913-00



Trig's TI106 is a 3" Course Deviation Indicator, ideally matched for the TX57. Using the latest generation of indicator technology, solid state actuators provide smooth and dependable navigational indications. Use of LED technology for both flags and backlighting provides a superior display compared to older legacy indicators. The TI106 will support most existing Nav/Com equipment, making it a suitable replacement CDI across general aviation.

Weight:	0.59kg
Dimensions:	3.25 x 3.25 x 4.75 in (82.55 x W 82.55 x 120.65 mm)
Front Panel Dimensions:	3in (76mm)
Supply Voltage:	12–32 VDC
Operating Temperature:	-55°C to 70°C
Certification:	FAA TSO-C34e

CVC-151 VHF COMMUNICATION SYSTEM

CANYON AEROCONNECT



The CVC-151 is an all-in-one, VHF communication DSP transceiver configurable with either 8.33 kHz or 25 kHz channel spacing and operating frequencies of 118 MHz to 137 MHz or, optionally, 118 MHz to 152 MHz (depending on the customer's request) and features built-in SELCAL and ACARS capability. The CVC-151 utilizes the open ARINC 429 architecture to support FMS, RMS-555, ARCDU, and the RAIMS radio management system interface. This radio can also be remotely controlled from its dedicated CVC-152 control display.

- ICAO Annex 10 FM immunity requirements (DO-186A)

Weight:	3.75 lb
Dimensions:	2.4 x 4 x 12.95 in
Altitude:	55,000 ft
Operating Temperature:	-55°C to 70°C
Input Power:	28 VDC (18 VDC to 33 VDC)
Current:	Rx: 0.5 A Tx: 4.5 A
Frequency Range:	118 MHz to 136.975 MHz 118 MHz to 151.975 MHz (optional)
Audio Output:	10 mW
Certification:	RTCA/DO-186a, DO-178b level C "Major", DO-254, DO-160E

EDMO#	MFR#	DESCRIPTION
CVC-151-1	400-048100-0001	CVC-151 VHF Communication System
ACCESSORIES		
048124-01	400-048124-01	Single mounting tray
048124-02	400-048124-02	Dual mounting tray
02398-0000	050-02398-0000	Connector kit

CVN-251 VHF NAVIGATION SYSTEM

CANYON AEROCONNECT



CVN-251

The CVN-251 is an all-in-one, VHF navigation digital DPS navigation system that combines VOR/LOC, glideslope, and marker beacon functions. This receiver configuration supports the total navigation interface requirements for MFD or moving map displays. The ARINC 429 digital data bus offers compatibility with EFIS, ARCDU, RAIMS, and FMS to support NAV auto-tune operation. Automatic calibration of the VOR converter ensures navigation guidance accuracy.

Weight:	3.75 lb
Dimensions:	2.4 x 4 x 12.95 in
Frequency Range:	75 MHz, 106 MHz to 118 MHz, 328.65 MHz to 335.4 MHz
Input Voltage:	28 VDC (18–33 VDC)
Current:	0.8 A
Transmit Power:	20 W
Audio Output:	10 mW to 40 mW
Altitude:	55,000 ft
Operating Temperature:	-55°C to 70°C
Certification:	FAA TSO-C34E, C35D, C36E, C40C, and EASA ETSO 2C34F, 2C36F, 2C40C, 2C35D certified RTCA DO-192, DO-143, DO-195, CD-196, EUROCAE ED-47B, 2/WG7, ED-46B, ED-22B RTCA DO-178B level B "hazardous", DO-254, DO-160D ICAO Annex 10 FM immunity requirements (DO-160A)

EDMO#	MFR#	DESCRIPTION:
CVN-251-1	400-048500-0001	CVN-251 VHF/NAV | Radial (ARINC label 222)
CVN-251-3	400-048500-0002	CVN-251 VHF/NAV | Bearing (ARINC label 222)
ACCESSORIES		
048124-01	400-048124-01	Single mounting tray
048124-02	400-048124-02	Dual mounting tray
02398-0000	050-02398-0000	Connector kit

CDM-451 DISTANCE MEASURING SYSTEM

CANYON AEROCONNECT



The CDM-451 Distance Measuring Equipment is an all-in-one digital DME with triple scanning DME and provides ARINC 429 outputs along with analog outputs for displays or EFIS. The CDM-451 transceiver is compatible with the ARCDU, RAIMS, and FMS to support Nav auto-tune operations. The third output channel can also provide a single DME output to the FMS for an independent navigation solution. The CDM-451 has a range that is 300 nautical miles with an accuracy as high as ±0.1 nautical mile, due to its -92 dBm receiver sensitivity.

Weight:	3.6 lb
Dimensions:	2.4 x 4 x 12.95 in
Frequency Range:	Rx: 962 MHz to 1213MHz Tx: 1025 MHz to 1150 MHz
Input voltage:	27.5 VDC (18–33 VDC)
Current:	0.5 A (nominal), 1.8 A (peak)
Transmit Power:	300 W
Audio Output:	10 mW to 40 mW
Altitude:	55,000 ft
Operating Temperature:	-55°C to 70°C
Certification:	RTCA DO-189, DO-178B level C "Major", DO-254, DO-160D, EUROCAE ED-54

EDMO#	MFR#	DESCRIPTION
CDM-451-1	400-041181-0001	CDM-451 DME | ARINC 429 Hold
CDM-451-5	400-041181-0012	CDM-451 DME | ARINC 429 & King Serial Bus Tuning
CDM-451-6	400-041181-0112	CDM-451 DME | ARINC 429 & King Serial Bus Tuning, with Mounting Bar Adapter
ACCESSORIES		
047061-01	400-047061-01	Mounting tray
02398-0000	050-02398-0000	Connector kit

INSTRUMENT ACCESSORIES

INSTRUMENT ADAPTER PLATE

GUARDIAN AVIONICS
EDMO# ADAPT-COD
MFR# ADAPT-COD



This simple adapter plate allows carbon monoxide detectors from Guardian Avionics to be installed into a standard 2-1/4-inch instrument panel cutout. It includes four installation screws and two countersunk screws to aid in the installation of the CO detector into the adapter.

AIRCRAFT INSTRUMENT COVER

H C WARD, CO.
EDMO# 0601
MFR# 0601



Plastic instrument cover that masks the face of most general aviation flight instruments. Attaches to the instrument face with a suction cup. This cover is useful in training situations involving partial panel work and as a safety aid for masking non-functional instruments.

- Includes two covers



Antennas

VHF Antennas 388
VHF Combo Antennas 396
UHF Antennas 403
Navigation Antennas 406
Towel Bar/VOR/LOC/GS Antennas 411
DME/Transponder Antennas 413
Marker Beacon Antennas 420
Glide Slope Antennas 422
GPS, XM & Iridium Antennas 423
Radar Altimeter Antennas 429
ELT Antennas 430
FM Antennas 430
VHF Base Station & Vehicle Antennas 433
WIFI Antennas 435
Couplers, Diplexers & Splitters 435
Antenna Sealing & Mounting Supplies 441

VHF ANTENNAS

CI 175 VHF WHIP / 118-137 MHZ

COMANT
EDMO# CI-175
MFR# CI 175

The CI 175 is a high strength whip antenna designed as an improved direct replacement for the standard Cessna three-hole mounting configuration. This antenna can be used with single piston aircraft. The CI 175 has been updated to the new RTCA DO-160D environmental requirements.



Weight:	0.5 lb
Height:	18.75 in
Frequency:	118–137 MHz
VSWR:	2.5:1, maximum
Polarization pattern:	Omnidirectional
Power RF:	50 watts
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Cast housing / fiberglass whip
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 121 VHF WHIP / 118-137 MHZ

COMANT
EDMO# CI-121
MFR# CI 121

The CI 121 is a whip antenna that has a tapered glass laminate housing and die-cast aluminum base.



Weight:	8 oz
Height:	18.5 in
Frequency:	118–137 MHz
VSWR:	2.5:1, maximum
Airspeed:	250 KTAS
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Four-hole external
Material:	Die-cast housing / fiber glass whip
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 109 VHF WHIP / 118-137 MHZ

COMANT
EDMO# CI-109
MFR# CI 109

The CI 109 is a robust whip antenna that has a tapered glass laminate housing and die-cast aluminum base. It matches the style of communication antennas used on 1968-72 single engine Cessnas. Due to its robust design, it is often used on light helicopters.



Weight:	9.6 oz
Height:	18.5629 in
Frequency:	118–137 MHz
VSWR:	2.5:1, maximum
Airspeed:	250 KTAS
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Four-hole external
Material:	Die-cast housing / fiberglass
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d, RTCA DO-160D

AV-529 VHF WHIP / 118-136 MHZ

R A MILLER
EDMO# AV-529
MFR# AV-529

The AV-529 is designed for broadband communications on frequencies from 118 MHz to 137 MHz. It has a die-cast aluminum base and a uniquely designed radiator encapsulated in a fiberglass whip.

- The AV-529 antenna is supplied with a weather-sealing gasket and mounting hardware



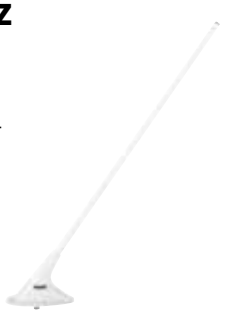
Weight:	8 oz
Height:	22 in, maximum
Frequency:	118–137 MHz
VSWR:	1.8:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Airspeed:	350 MPH
Altitude:	50,000 ft
Connector:	BNC (female)
Certification:	TSO-C37d, TSO-C38d

EDMO#	MFR#	DESCRIPTION
AV-529	AV-529	VHF whip antenna
ACCESSORIES		
19-1568-2	19-1568-2	Hardware installation kit

AV-14 VHF WHIP / 138-174 MHZ

R A MILLER

The AV-14 is a whip antenna that has a glass laminate housing and die-cast aluminum whip. The antenna essentially matches the styling f the communication antenna currently used on most singles and light twins. The antenna is designed to operate in the FM Public Service and Business Bands.



Weight:	8 oz
Height:	17 in
Frequency:	138–174 MHz
VSWR:	2.0:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
Power RF:	25 watts
Airspeed:	Up to 350 mph
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Four-hole mounting pattern
Certification:	TSO-C37d, TSO-C38d

EDMO#	MFR#	DESCRIPTION
AV-14	AV-14	VHF whip antenna
ACCESSORIES		
19-1568-4B	19-1568-4B	Hardware kit

AV-10 VHF WHIP / 118-137 MHZ

R A MILLER

The AV-10 is a high-performance VHF communications antenna with excellent electrical characteristics and incorporates an efficient aerodynamic, four-hole mounting base. The antenna essentially matches the styling of the communication antennas currently used on most singles and light twins.



Weight:	8 oz
Height:	20.25 in, maximum
Frequency:	118–137 MHz
VSWR:	2.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Airspeed:	350 MPH
Altitude:	50,000 ft
Connector:	BNC (female)
Certification:	TSO-C37d, TSO-C38d

EDMO#	MFR#	DESCRIPTION
AV-10	AV-10	VHF whip antenna
ACCESSORIES		
19-1568-4B	19-1568-4B	Hardware kit

AV-17 VHF COMMUNICATION ANTENNA

R A MILLER
EDMO# AV-17GB
MFR# AV-17GB



The AV-17 is designed specifically for mounting to the underside of an aircraft, providing an excellent radiation pattern for air-to-ground communications. It has a 4-bolt mounting base and is low in profile. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.66 lb @ 250 mph. This antenna is a direct replacement for the CI 122.

Weight:	8 oz
Height:	9 in
Application:	Airborne Communications
Frequency:	118 MHz — 137 MHz
Impedance:	50Ω
VSWR	3.0:1
Pattern:	Omni-directional
Connector:	BNC (female)
Versions:	AV-17: gloss white AV-17 GB: gloss black AV-17 B: CARC black

AV-530 VHF WHIP / 118-136 MHZ

R A MILLER

The AV-530 is designed for broadband communications. The antenna has a die-cast aluminum base and a tapered stainless-steel whip for less drag at higher airspeeds.

- The AV-530 antenna is supplied with a weather-sealing gasket and mounting hardware.



Weight:	8 oz
Height:	22.75 in, maximum
Frequency:	118–137 MHz
VSWR:	2.5:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Airspeed:	350 MPH
Altitude:	50,000 ft
Connector:	BNC (female)
Certification:	TSO-C37d, TSO-C38d

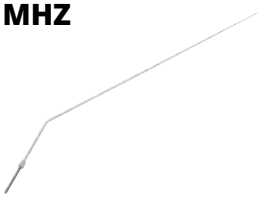
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EDMO#	MFR#	DESCRIPTION
AV-530	AV-530	VHF whip antenna
ACCESSORIES		
19-1568-2	19-1568-2	Hardware installation kit

AV-534 VHF WHIP / 118-137 MHZ

R A MILLER
EDMO# AV-534
MFR# AV-534



The AV-534 is a heavy-duty stainless-steel, quarter-wave VHF communications antenna. It is manufactured with a durable type stainless steel whip and large stress-relieved ferrule. It comes complete with porcelain insulators and mounting hardware.

Weight:	8 oz
Height:	18.75 in, maximum
Frequency:	118–137 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Airspeed:	350 MPH
Altitude:	50,000 ft
Connector:	N/A
Certification:	TSO-C37d, TSO-C38d

AV-534L VHF WHIP / 118-137 MHZ

R A MILLER
EDMO# AV-534L
MFR# AV-534L



The AV-534 is a heavy-duty stainless-steel, quarter-wave VHF communications antenna. It is manufactured with a durable type stainless steel whip and large stress-relieved ferrule. It comes complete with porcelain insulators and mounting hardware. The AV-534L antenna is supplied with an eight-foot transmission line and connectors

Weight:	8 oz
Height:	18.75 in, maximum
Frequency:	118–137 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Airspeed:	350 MPH
Altitude:	50,000 ft
Connector:	BNC (male) with supplied 8 ft transmission line
Certification:	TSO-C37d, TSO-C38d

CI 122 VHF BENT WHIP / 118-137 MHZ

COMANT
EDMO# CI-122
MFR# CI 122



The CI 122 has a stainless steel bent whip antenna element and die cast aluminum base. Designed specifically for mounting to the underside of an aircraft, providing radiation coverage for air-to-ground VHF communications.

Weight:	12 oz
Height:	18.5 in
Frequency:	118–137 MHz
VSWR:	3.0:1, maximum
Airspeed:	350 KTAS
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Cast housing / stainless steel
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

AV-17 VHF BENT WHIP / 118-137 MHZ

R A MILLER



The AV-17 is designed specifically for mounting to the underside of an aircraft, providing an excellent radiation pattern for air-to-ground communications. It has a four-bolt mounting base and a low profile making it ideal for helicopters and low-wing aircraft.

Weight:	8 oz
Height:	9 in, maximum
Frequency:	118–137 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Airspeed:	250 MPH
Altitude:	50,000 ft
Connector:	BNC (female)
Certification:	TSO-C37d, TSO-C38d

EDMO#	MFR#	DESCRIPTION
AV-17	AV-17	VHF bent whip antenna
ACCESSORIES		
19-1568-4B	19-1568-4B	Hardware kit

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AV-535 VHF BENT WHIP / 138-174 MHZ

R A MILLER
EDMO# AV-535
MFR# AV-535



The AV-535 is a bent whip type antenna that operates in the public service and business bands. It is suitable for mounting on the bottom the aircraft. Rated at speeds up to 350 mph and altitudes up to 50,000 feet. It is a direct replacement for the CI 292-3.

Weight:	8 oz
Height:	9.81 in
Frequency:	138–174 MHz
VSWR:	3.0:1
Polarization:	Vertical
RF power:	100 watts
Radiation pattern:	Omni-directional
Airspeed:	350 mph
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Three-hole mounting pattern

AT-695 VHF PASSIVE WHIP ANTENNA / 138-174 MHZ

CANYON AEROCONNECT
EDMO# 121-0019-
MFR# 121-0019-000



The AT-695 passive VHF whip antenna operates on 138—174 MHz.

Weight:	8 oz
Frequency:	137 MHz - 174 MHz
Color:	white
VSWR:	3.0:1, maximum
Power:	50 watts
Pattern:	omni-directional

CI 108 SERIES VHF BLADE / 118-153 MHZ

COMANT

The CI 108 is a high-speed blade antenna constructed with solid polyurethane with a white polyurethane finish that resists Skydrol and rain erosion. Suitable for either top or bottom mounting. The CI 108-1 has an extended VHF frequency band (138 MHz to 153 MHz). The CI 108-1-L is equipped with leading edge protection.

Weight:	2.5 lb
Height:	12 in
Frequency:	118–137 MHz (CI-108) 118–153 MHz (CI-108-1 & CI-108-1-L)
VSWR:	2.5:1, maximum
Airspeed	600 KTAS
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Six-hole external
Material:	High-density polyurethane
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

EDMO#	MFR#	FREQUENCY	DESCRIPTION
CI-108	CI 108	118–137 MHz	No leading edge protection
CI-108-L	CI-108-L	118–137 MHz	Leading edge protection
CI-108-1	CI 108-1	118–153 MHz	Extended range
CI-108-1-L	CI 108-1-L	118–153 MHz	Extended range with leading edge protection
ACCESSORIES			
C10810	C10810		Gasket

CI 196 VHF BLADE / 118-137 MHZ

COMANT
EDMO# CI-196
MFR# CI 196



The CI 196 is a high speed blade antenna designed for large single- or twin-engine aircraft. The antenna assembly is enclosed in an aerodynamically shaped, ejection molded polyester glass shell with internal components form in place for mechanical integrity. Featuring reduced height for mounting on top or bottom of aircraft. The mounting hole pattern and RF connector location are compatible with late model Mooney 201/231/252 aircraft series start in 1978.

Weight:	1.25 lb
Height:	13 in
Frequency:	118–137 MHz
VSWR:	2.9:1, maximum
Airspeed:	350 KTAS at 25,000 ft
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Four-hole internal
Material:	Valox 420
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

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CI 139 VHF BLADE / 118-137 MHZ

COMANT
EDMO# CI-139
MFR# CI 139

The CI 139 is a high-speed blade antenna designed for large single- and twin-engine aircraft. The antenna assembly is enclosed in an aerodynamically shaped, injection molded polyester glass shell with internal components formed in place for mechanical integrity. Featuring for mounting on top or bottom of aircraft. The mounting hole pattern and RF connector location are compatible with Piper.



Weight:	1.25 lb
Height:	13 in
Frequency:	118–137 MHz
VSWR:	2.9:1, maximum
Airspeed:	350 KTAS at 25,000 ft
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Four-hole internal
Material:	Valox 420
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 138 VHF BLADE / 118-137 MHZ

COMANT
EDMO# CI-138
MFR# CI 138

The CI 138 is a high-speed blade antenna designed for large single- and twin-engine aircraft. The antenna assembly is enclosed in an aerodynamically shaped, injection molded polyester glass shell with internal components formed in place for mechanical integrity. Featuring for mounting on top or bottom of aircraft. The mounting hole pattern and RF connector location are compatible with Beech-craft. The RF connector is offset from the centerline of the antenna.



Weight:	1 lb
Height:	13 in
Frequency:	118–137 MHz
VSWR:	2.9:1, maximum
Airspeed:	350 KTAS at 25,000 ft
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Valox 420
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D, DO-186A

CI 119 VHF BLADE / 118-137 MHZ

COMANT
EDMO# CI-119
MFR# CI 119

The CI 119 is a high-speed blade antenna designed for a large single- or twin-engine aircraft. The antenna assemble is enclosed in aerodynamically shaped, injection molded polyester glass shell with internal components foamed in place mechanical integrity. Featuring reduced height for mounting on top or bottom of aircraft.



Weight:	1.25 lb
Height:	12.9 in
Frequency:	118–137 MHz
VSWR:	2.9:1, maximum
Airspeed:	350 KTAS at 25,000 ft
Altitude:	35,000 ft
Connector:	BNC (female)
Mounting:	Four-hole internal
Material:	Valox 420
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D, DO-184A

CI 211 SERIES VHF BLADE / 118-154 MHZ

COMANT

The CI 211series antenna are high speed bent blade antennas designed as a low profile, top or bottom mount for large twins and medium jet aircraft. Skydrol and rain erosion resistant. The CI 211-1 & CI 211-16 have an extended frequency band (118 MHz to 154 MHz). The CI 211-L and CI 211-1L are equipped with leading edge protection.



CI-211-16

Weight:	1.6 lb
Height:	8.25 in
Frequency:	118–137 MHz (CI-211) 118–153 MHZ (CI-211-1, CI-211-1-L) 118–154 MHZ (CI-211-16, CI-211-1L)
VSWR:	2.9:1, maximum
Airspeed:	573 KTAS
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Four-hole external
Material:	High density polyurethane
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

EDMO#	MFR#	DESCRIPTION
CI-211	CI 211	No leading edge protection
CI-211-1	CI 211-1	Extended range
CI-211-1-L	CI 211-1-L	Extended range with leading edge protection
CI-211-16	CI 211-16	Extended range

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21-38 SERIES VHF SAR BLADE / RX ONLY, 121.5MHZ, 156.525MHZ (DSC), 156.8MHZ, 243MHZ

CHELTON
EDMO# 072821-01
MFR# 121-072821-01



The 21-38 Series VHF antennas are low profile blade antennas for general airborne application and compatible with Search and Rescue (SAR) module option for the RT-7000 receiver. The 21-38 antenna consists of a high performance GRP blade, housing an RF matching assembly, mounted on aluminum alloy baseplate with a single RF female connector.

Weight:	1.76 lb
Dimensions:	16.06 x 3.50 x 8.26
Frequency:	121.5, 156.525, 156.8, 243 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Power handling:	Receive only
Connector:	BNC female

AVT-4 VHF COMM BLADE / 118-137 MHZ

R A MILLER
EDMO# AVT-4
MFR# AVT-4



The AVT-4 is a broadband VHF communications antenna that incorporates a low drag blade housing design for high strength and a radiating element encapsulated in rigid polyurethane foam. The housing is finished with a Skydrol resistant white polyurethane paint and comes with mounting hardware and neoprene mounting pad.

Weight:	8 oz
Height:	13 in, maximum
Frequency:	118–137 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Airspeed:	350 MPH
Altitude:	50,000 ft
Connector:	BNC (female)
Certification:	TSO-C37d, TSO-C38d

CI 268-60 COMDAT VHF / 118-137 MHZ

COMANT
EDMO# CI-268-60
MFR# CI 268-60



The CI 268-60 ComDat VHF antenna uses the same radome as other multi-function ComDat antennas from Cobham. It has a super tough, nickel-plated aluminum base plate with integral Nitrile 'O' ring that can be used in pressurized applications. The CI-268-60 shares the same footprint and offset connector location as the popular CI-238. The unit also features a unique built-in notch filter that allows installation in close proximity to GPS antennas without co-sight interference.

Weight:	1.25 lb
Height:	14.1 in
Frequency:	118–137 MHz
VSWR:	2.9:1, maximum
Airspeed:	325 KTAS
Altitude:	35,000 ft
Connector:	BNC (female)
Mounting:	Four-hole external
Material:	Molded glass-filled nylon
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 268-5 COMDAT VHF / 118-137 MHZ

COMANT
EDMO# CI-268-5
MFR# CI 268-5



The CI 268-5 ComDat VHF antenna uses the same radome as other multi-function ComDat antennas from Cobham. It has a super tough, nickle-plated aluminum base plate with integral Nitrile 'O' ring that can be used in pressurized applications. The CI 268-5 features a unique built-in notch filter that allows installation in close proximity to GPS antennas without co-sight interference.

Weight:	1.25 lb
Height:	14.1 in
Frequency:	118–137 MHz
VSWR:	2.9:1, maximum
Airspeed:	325 KTAS, max at sea level
Altitude:	35,000 ft
Connector:	BNC (female)
Mounting:	Four-hole external
Material:	Molded glass-filled nylon
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 248-5 COMDAT VHF / 118-137 MHZ

COMANT
EDMO# CI-248-5
MFR# CI 248-5



The CI 248-5 is designed for the Cessna 182 and 182T aircraft and offers lower drag. It is designed for single engine and helicopter application and meets the rigorous requirements of RTCA DO-160D. The CI 248-5 can be install in close proximity to GPS antennas with its built-in harmonic suppression filter.

Weight:	0.52 lb
Height:	17 in
Frequency:	118–137 MHz

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VSWR:	2.5:1, maximum
Polarization:	Vertical
Radiation Pattern:	Omni-directional
Harmonic Rejection:	80 dB, typical
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Molded glass filled nylon
Finish:	Polyurethane enamel (white)
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 291 VHF COMM ROD / 118-137 MHZ

COMANT
EDMO# CI-291
MFR# CI 291



The CI 291 features a high strength fiberglass "stick" radiator and die-cast three-hole mount aluminum base. This antenna has been re-tested and updated to meet RTCA DO-160D environmental requirements while offering 118 MHz to 137 MHz frequencies associated with DO 186 MOPS.

Weight:	0.5 lb
Height:	18.875 in
Frequency:	118–137 MHz
VSWR:	2.5:1, maximum
Polarization:	Vertical
Radiation Pattern:	Omni-direction
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Cast housing / Fiberglass whip
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 292-1 VHF COMM ROD / 118-137 MHZ

COMANT
EDMO# CI-292-1
MFR# CI 292-1



The CI 292-1 is specifically designed to be mount on top of the aircraft while providing excellent omni-directional coverage for all VHF communication frequencies. The CI 292-1 features a straight, tapered stainless steel radiator. This antenna has been updated to meet RTCA DO-160D environmental requirements while offering frequencies from 118 MHz to 137 MHz associated with DO 186 MOPS.

Weight:	0.5 lb (CI-292-1)
Height:	20 in
Frequency:	118–137 MHz
VSWR:	2.5:1, maximum
Polarization:	Vertical
Radiation Pattern:	Onmi-directional

Airspeed:	250 KTAS
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Cast housing / Stainless steel whip
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 292-2 VHF COMM / 118-137 MHZ

COMANT
EDMO# CI-292-2
MFR# CI 292-2



The CI 292-2 is specifically designed to be mounted on the bottom of helicopters or underneath fixed-wing aircraft while providing excellent omni-directional coverage for all VHF communication frequencies. The CI 292-2 features a stainless steel, bent whip radiator. This antenna has been updated to meet RTCA DO-160D environmental requirements while offering frequencies from 118 MHz to 137 MHz associated with DO 186 MOPS.

Weight:	0.6 lb
Height:	8.5 in
Frequency:	118–137 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation Pattern:	Onmi-directional
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Cast housing / Stainless steel whip
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

TA10 VHF ROD ANTENNA

TRIG AVIONICS LIMITED
EDMO# 02451-00
MFG# 02451-00



The TA10 VHF Communication antenna is designed to preform optimally with the VHF radios from Trig Avionics Limited. This antenna features a straight, aerodynamic design for mounting on top of the aircraft fuselage. Excellent electrical characteristics make the TA10 antenna ideal for a wide range of general aviation aircraft up to 350 mph and 50,000 feet.

- Aerodynamic design
- Designed to work with Trig VHF radios
- Certified to FAA TSO C37d & C38d
- Solid, four-bolt mounting base
- Includes installation kit

Frequency Range:	118 MHz – 137 MHz
Antenna Type:	VHF comm antenna

Impedance:	50Ω
VSWR:	2.0:1, maximum
Polarization:	vertical
Radiation Pattern:	omni-directional
Connector:	BNC (female)

TA17 VHF COM ANTENNA

TRIG AVIONICS LIMITED
EDMO# 02452-00
MFR# 02452-00



The TA17 is a certified VHF communication antenna designed for optimum performance with Trig radios. Trig's TA17 features a bent "angled" design for mounting on the bottom of the aircraft fuselage. Excellent electrical characteristics make the TA17 antenna ideal for a wide range of general aviation aircraft up to 350 mph and 50,000 feet. The low-profile mounting base uses a four-hole mounting pattern optimized for aerodynamic performance.

- Bent "angled" design — ideal for mounting to the bottom of the aircraft
- Lightweight and aerodynamic design
- Designed to work with Trig VHF radios
- Ideal for most general aviation aircraft, including high performing, up to 350 mph and 50,000 feet
- Certified to FAA TSO C37d & C38d
- Solid, four-bolt mounting base
- Includes installation kit

Weight:	8 oz
Height	9 in
Frequency Response:	118 MHz — 137 MHz
VSWR:	3.01, maximum
Impedance:	50Ω
Polarization:	vertical
Connector Type:	BNC (female)

C70 SERIES VHF COMM / 118-137 MHZ

HARRIS CORP. (D&M EDO)

The C70 series VHF communications antennas are designed for top or bottom installations on high-performance, single or twin, and turbo engine for fixed and rotary wing aircraft. The C70 series antennas offer mechanical strength and high-electrical efficiency to provide reliability at full 360/720 channel transceiver operations. Its lightweight profile is unobtrusive, resistant to icing, and offers a low drag profile.



DM C70-1/A

- The C70-3 is directly interchangeable with C598501-0104, VF 10-210, CI 109, and CI 121
- The C70-4 supersedes the C70-2 and is specifically designed for bottom installations and designed with a higher degree of efficiency
- The C70-6 have an alternate mount pattern than the C70-1/A while other characteristics remain the same

Weight:	12 oz
Height:	15 in, (C70-1/A, -6) 20 in, (C70-3) 8.9 in, (C70-4)
Frequency range:	118–137 MHz
VSWR:	2.0:1, (C70, -1/A, -3, -9) 2.5:1, (C70-4, -6)
Polarization:	Vertical
Radiation Pattern:	Omni-directional in Azimuth
Airspeed:	400 MPH, (C70-1/A, -4, -6, -9) 250 MPH, (C70-3)
Connector:	BNC (female)
Finish:	White polyurethane
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

EDMO#	MFR#	AIRSPEED	DESCRIPTION
DM C70-1/A	C70-1/A	400 MPH	Height: 15 in
DM C70-3	C70-3	250 MPH	Height: 20 in
DM C70-4	C70-4	400 MPH	Height: 8.9 in | Bent-back design
DM C70-6	C70-6	400 MPH	Alternate mounting hole pattern

C63 SERIES VHF COMM

HARRIS CORP. (D&M EDO)

The C63 series VHF communication antennas are designed with a high mechanical strength and have machine tapered aluminum alloy radiating elements. The C63 series antennas are available in both top mount designs and bent-back, low-profile bottom mount designs and are well suited for helicopter installations.

- C63 series antennas are supplied with a gasket and a double plate



DM C63-1/A

Weight:	8 oz
Height:	8.1 in
Frequency:	118–137 MHz, (C63-1/A, C63-2/A) 118–174 MHz, (C63-3/A, C63-4/A)
VSWR:	2.0:1, (C63-1/A) 3.0:1, (C63-2) 3.5:1, (C63-3/A) 3.0:1, (C63-4/A)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Finish:	Polyurethane enamel
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

EDMO#	MFR#	FREQUENCY RANGE	MOUNTING
DM C63-1/A	C63-1/A	118–137 MHz	Top
DM C63-2	DMC63-2	118–137 MHz	Bottom, low-profile
DM C63-3/A	C63-3/A	38–174 MHz	Bottom, low-profile
DM C63-4/A	C63-4/A	38–174 MHz	Top
ACCESSORIES			
286B00007	286B00007	Antenna gasket	

C60 SERIES VHF COMM

HARRIS CORP. (D&M EDO)

The C60 series is a vertically polarized VHF communications antenna designed to by mounted either top or bottom of an aircraft. The electrical elements are completely sealed by foamed-in-resin with an outer fiberglass housing resulting in rugged construction that can be used in commercial and general aviation aircraft.



DM C601

Weight:	1.6 lb
Frequency:	118–137 MHz (DM C60-1) 116–152 MHz (DM C60-171)
VSWR:	2.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Altitude:	Up to 35,000 ft
Connector:	C60-1: BNC (male) C60-171: BNC (male)
Finish:	White
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

EDMO#	MFR#	FREQUENCY RANGE
DM C60-1	C60-1	118–137 MHz
DM C60-171	DMC60-17-1	116–152 MHz

VHF COMBO ANTENNAS

CI 2680-200 VHF/GPS COMDAT / 118-137 MHZ

COMANT
EDMO# CI-2680200
MFR# CI 2680-200

The CI-2680-200 ComDat dual function high speed antenna for twins and light jets. Featuring VHF and GPS in a single antenna. With 80 dB of VHF harmonic suppression the CI-2680200 allows VHF and GPS in one radome without in-line filters.



Weight:	1.25 lb
Frequency:	VHF: 118–137 MHz GPS: 1575.42 +/-3 MHz
VSWR:	VHF: 2.9:1, maximum GPS: 1.5:1, maximum
Polarization:	VHF: Vertical GPS: RHCP
Radiation pattern:	VHF: Omni-directional GPS: Hemispherical
Connector:	VHF: BNC GPS: TNC
Certification:	TSO-C37d, TSO-C38d, TSO-C144 RTCA DO-160D

CI 2480-201 VHF/GPS COMDAT / 118-137 MHZ

COMANT
EDMO# CI-2480201
MFR# CI 2480-201

The CI 2480-201 VHF/GPS dual function, ComDat antenna is designed for single engine aircraft and utilizes patented technology to provide 80 dB of harmonic suppression allowing VHF and GPS functionality in radome without filters. It features a common tear drop footprint which allows for drop-in replacement installations.

- Compatible with Garmin 17 dB GPS panel mount receiver systems



Weight:	0.6 lb
Frequency:	VHF: 118–137 MHz GPS: 1575.42 MHz ±3 MHz
VSWR:	VHF: 2.5:1, maximum GPS: 2.5:1, maximum
Polarization:	VHF: Vertical GPS: RHCP
Radiation pattern:	VHF: Omni-directional GPS: Hemispherical
GPS preamplifier gain:	17 dB ±3 dB
GPS DC voltage:	5 VDC
GPS DC current:	20 mA, maximum
Connector:	VHF: BNC GPS: TNC
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 2580-200 VHF/WAAS GPS COMDAT / 118-137 MHZ

COMANT
EDMO# CI-2580200
MFR# CI 2580-200

The CI 2580-200 VHF/GPS WAAS ComDat antenna is designed to specifically meet GPS WAAS Gamma 3 specifications required by the Garmin G1000 system. Patented technology to provide 80 dB of harmonic suppression allowing VHF and GPS functionality in radome without filters. The antenna has been tested and passed the demanding and direct effects of lightening environmental testing, and Gamma 3 WAAS allows for primary navigation using GPS for all phases of flight including precision LPV approaches.



Weight:	0.6 lb
Frequency:	VHF: 118–137 MHz GPS: 1575.42 MHz ±3 MHz
VSWR:	VHF: 2.5:1, maximum GPS: 1.5:1, maximum
Polarization:	VHF: Vertical GPS: RHCP
Radiation pattern:	VHF: Omni-directional GPS: Hemispherical
GPS preamplifier gain:	26.5–30.1 VDC
GPS DC voltage:	4–24 VDC
GPS DC current:	40 mA typical, 60 mA maximum
Connector:	VHF: BNC GPS: TNC
Certification:	TSO-C169 (class C,D,E,3,4,5,6), TSO-C144 RTCA DO-160D

CI 2480-200 VHF/GPS COMDAT / 118-137 MHZ

COMANT
EDMO# CI-2480200
MFR# CI 2480-200



The CI 2480-200 VHF/GPS dual function, ComDat antenna is designed for single engine aircraft and utilizes patented technology to provide 80 dB of harmonic suppression allowing VHF and GPS functionality in radome without filters. It features a common tear drop footprint which allows for drop-in replacement installations.

- FAA TSO-C144 certified for GPS and GPS WAAS class Gamma 1 equipment

Weight:	0.6 lb
Frequency:	VHF: 118–137 MHz GPS: 1575.42 MHz ±3 MHz
VSWR:	VHF: 2.5:1, maximum GPS: 2.0:1, maximum
Polarization:	VHF: Vertical GPS: RHCP
Radiation pattern:	VHF: Omni-directional GPS: Hemispherical
GPS preamplifier gain:	26.5 dB
GPS DC voltage:	5 VDC
GPS DC current:	50 mA, maximum
Connector:	VHF: BNC GPS: TNC
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 2480-216 VHF/XM COMDAT / 118-137 MHZ

COMANT
EDMO# CI-2480216
MFR# CI 2480-216



The CI 2480-216 VHF/XM ComDat is a multifunction antenna designed for single-engine aircraft. It features a common tear drop footprint which allows for drop-in replacement installations. The antenna is ideal to add XM weather data to a stand-alone VHF mounted antenna.

- Patented VHF harmonic suppression also protects co-located standalone GPS antennas allowing for more antennas in less total area

Weight:	0.7 lb
Frequency:	VHF: 118–137 MHz XM: 2332.5–2345 MHz
VSWR:	VHF: 2.5:1, maximum XM: 1.5:1, maximum
Polarization:	VHF: Vertical XM: hemispherical
Radiation pattern:	VHF: Omni-directional XM: hemispherical
XM weather Gain:	25 ±2 dB
XM weather DC voltage:	3.6–24 VDC
XM DC current:	35 mA to 55 mA
Connector:	VHF: BNC XM: TNC
Certification:	RTCA DO-160D

CI 2680-216 VHF/XM COMDAT / 118-137 MHZ

COMANT
EDMO# CI-2680216
MFR# CI 2680-216



The CI 2680-216 VHF/XM ComDat multifunction, high speed, blade antenna single- or twin-engine and light jet aircraft. It features a common tear drop footprint which allows for drop-in replacement installations. The antenna is ideal to add XM weather data to a stand-alone VHF mounted antenna.

Weight:	1.25 lb
Frequency:	VHF: 118–137 MHz XM: 2332.5–2342 MHz
VSWR:	VHF: 2.9:1, maximum XM: 2.0:1, maximum
Polarization:	VHF: Vertical XM: LHCP
Radiation pattern:	VHF: Omni-directional XM: Hemispherical
XM gain:	25 ± 2 dB
XM DC voltage:	4.75 VDC to 24 VDC
XM current:	45 mA typical, 55 mA maximum
Connector:	VHF: BNC XM: TNC
Certification:	TSO-C37d, TSO-C38d RTCA DO-160D

CI 2728-410 COMDAT VHF/WAAS GPS/XM 118-137 MHZ

COMANT



The CI-2728410 VHF/WAAS GPS/XM triple function ComDat antenna with included lightening protection is a weather antenna for WAAS capable twin- and single-engine, and jet aircraft. Patented technology to provide 80 dB of harmonic suppression allowing VHF and GPS functionality in radome without filters. This antenna enables primary navigation using GPS WAAS including terminal navigation and approach to landing. The XM Weather antenna is designed for low-gain systems such as the Garmin GDL-69/69A or Heads Up systems with shorter coaxial runs.

- Specifically designed to meet the GPS WAAS Gamma 3 requirements for Garmin "W" systems

Weight:	1.25 lb
Frequency:	VHF: 118–137 MHz GPS: 1575.42 ± 3 MHz XM/Weather: 2332.5–2345 MHz
VSWR:	VHF: 2.5:1, max GPS: 1.5:1, max XM Weather: 1.5:1, max
Polarization:	VHF: Vertical GPS: RHCP XM Weather: LHCP
Radiation Pattern:	VHF: Onmi-directional GPS: Hemispherical XM Weather: Hemispherical
Connectors:	VHF: BNC GPS: TNC XM: SMA
Certification:	TSO-C169, TSO-C144 RTCA DO-160D

*continued on next page



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- Transponder / ADS-B / DME
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EDMO#	MFR#	DESCRIPTION
CI-2728410	CI 2728-410	Lightning protected ComDat VHF/WAAS GPS/XM
ACCESSORIES		
A272833	A272833	Lightning diverter strips

CI 295-300 TRI-BAND, SINGLE PORT SAR 136-174 MHZ, 380-520 MHZ, & 764-870 MHZ

COMANT



CI-295-300

The CI 295-300 tri-band, single-port, airborne SAR antenna is designed to provide frequency coverage to Search and Rescue teams using Motorola's APX® architecture. For maximum effectiveness and connectivity, the CI 295-300 operates within P25 standards. This blade antenna is rated for helicopter and fixed-wing turbine powered jet installations in the toughest vibration environments. The single-port design reduces installation time and saves space — providing room on the aircraft for other mission critical antennas or equipment vital to search and rescue operations.

Weight:	2 lb
Frequency:	136–174 MHz, 380–520 MHz, 764–870 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Connector:	J1 TNC (F)

EDMO#	MFR#	COLOR
CI-295-300	CI 295-300	White
CI-2953004	CI 295-300-4	Black

CI-295-250 DUAL PORT BLADE 136-174 MHZ & 764-870 MHZ

COMANT
EDMO# CI-295-250
MFR# CI 295-250



The CI-295-250 public service antenna provides the frequency coverage required to Search and Rescue teams around the world. The dual port design offers maximum effectiveness and flexibility allowing users to connect any radio set required for every mission. The CI 295 is a blade antenna rated for helicopter installations in the toughest vibration environments. It incorporates a dual band and dual port design reducing installation time and saving space — providing room on the aircraft for other antennas or equipment vital to search and rescue operations.

Weight:	2 lb
Frequency:	136–174 MHz, 764–870 MHz
VSWR:	3.0:1 maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
Connector:	BNC: 136–174 MHz TNC: 764–870 MHz
Certification:	RTCA DO-160D

CI 295-200 DUAL BAND, DUAL PORT SAR 136-174 MHZ & 380-520 MHZ

COMANT
EDMO# CI-295-200
MFR# CI 295-200



The CI 295-200 public service antenna provides the frequency coverage required to Search and Rescue teams around the world. The dual port design offers maximum effectiveness and flexibility allowing users to connect any radio set required for every mission. This blade antenna is rated for helicopter installations in the toughest vibration environments. It incorporates a dual band and dual port design reducing installation time and saving space — providing room on the aircraft for other antennas or equipment vital to search and rescue operations. Applications include helicopters and wing turbine powered aircraft.

Weight:	2 lb
Frequency:	136–174 MHz, 380–520 MHz
VSWR:	3.0:1 maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF Power:	10 watts C.W. max
Connector:	BNC: 136–174 MHz TNC: 380–520 MHz
Certification:	RTCA DO-160G

CI-1085-20L VHF/UHF / 116-156 MHZ, 960-1220 MHZ & 1030-1090 MHZ

COMANT
EDMO# CI-108520L
MFR# CI-1085-20-L



The CI-1085-20L is a dual port, multi-function VHF/UHF antenna that uses a popular footprint to contains ATCRBS Mode S transponder/DME/UAT, ADS-B, and VHF frequencies in one radome and holds no less than five different FAA TSO approvals. This antenna is designed to be used on fixed-wing turbine power aircraft and some light jets.

Weight:	2.25 lb
Frequency:	116–156 MHz VHF Comm 960–1220 MHz DME 978 MHz UAT/ADS-B 1030–1090 MHz ATCRBS Transponder/Mode S
VSWR:	3.0:1 (116–156 MHz) 2.0:1 (960–1220 MHz) 1.5:1 (978 MHz) 1.7:1 (1030–1090 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Connector:	J1 BNC (F) 116–156 MHz J2 TNC (F) 960–1220 /1030–1090 MHz
Certification:	TSO-C74d ATCRBS/Transponder, TSO-C66c DME TSO-C112e ATCRBS/Mode S Transponder, TSO-C154c UAT/ADS-B, TSO-C169a VHF Comm, RTCA DO-160G

9-33-26P3 VHF/UHF / 30-512 MHZ

CHELTON
EDMO# 9-33-26P3
MFR# 9-33-26P3



The 9-33-26P3 VHF/UHF Broadband Antenna is designed to provide communications over the 30 MHz to 512 MHz frequency range for general purpose airborne applications. This VHF/UHF antenna is configured as a broadband fan monopole incorporating a frequency dependent matching network to ensure acceptable VSWR at lower frequencies, while preserving optimum gain at higher frequencies. A susceptance compensation network is included for gain enhancement at lower frequencies. The 9-33-26P3 is composed of a pressure molded composite radome housed within which houses the electrical assembly, and an aluminum alloy baseplate supports a single RF connector.

Weight:	1 kg
Dimensions:	331 x 66 x 173.5 mm, maximum
Frequency:	30–512 MHz
VSWR:	2.5:1
Polarization:	Vertically
Radiation pattern:	Omni-directional
Connector:	TNC (female)
Mounting:	Eight-hole, fixed location

VHF/UHF TUNABLE BLADE / 30-88 MHZ, 118-174 MHZ, & 225-512 MHZ

CHELTON
EDMO# 12-190-160
MFR# 12-190-160



The 12-190-160 V/UHF Tunable Antenna is a low profile, tunable, V/UHF blade antenna operating in the frequency band 30 MHz to 512 MHz, and intended for use in general, rotary wing applications. The 12-190-160 meets the stringent requirements of the military and provides unrivaled RF, mechanical and environmental performance. The antenna is configured as two separate radiating structures, fed from a single RF connector.

Weight:	3.52 lb
Dimensions:	6.5 x 14.20 x 3.6 in.
Frequency:	30–88 MHz 118–174 MHz 225–512 MHz
VSWR:	≤ 2.5:1
Polarization:	Vertical
Pattern:	Omni-directional
Connector:	RF Type TNC female DC D38999 / 49WB35PN

VHF/UHF TUNED BLADE / 30-88 MHZ, 108-174 MHZ & 225-400 MHZ

CHELTON
EDMO# 1219060P30
MFR# 12-190-60P30



Type 12-190-60 is a low profile, high efficiency, PIN diode tuned, antenna. Intended for general airborne application and operating over the frequency ranges 30 MHz to 88 MHz, 108 MHz to 174 MHz and 225 MHz to 400 MHz. This antenna offers a guard facility whereby performance is maintained at 121.5 MHz and 243 MHz when switched to any frequency within specified operating bands. At VHF and UHF frequencies, the capacitance between the top tube and ground is tuned out by a series of binary related PIN diode switched inductors in accordance with encoded data from the transmitter. This produces a high efficiency structure with a degree of selectivity particularly at low FM frequencies.

Weight:	3.52 lb
Dimensions:	9.25 x 2.79 x 12.40 in.
Frequency:	30–88 MHz 108–174 MHz 225–400 MHz
VSWR:	≤ 2.5:1 30–88 MHz ≤ 2.5:1 108–174 MHz ≤ 2.3:1 225–299.995 MHz ≤ 2.0:1 300–400 MHz
Polarization:	Vertical
Power rating:	23 W
Connector:	TNC female

VHF/UHF TUNABLE BLADE / 30-88 MHZ, 108-174 MHZ, 225-530 MHZ & 960-1220 MHZ

CHELTON
EDMO# 12-190-310
MFR# 12-190-310



The 12-190-310 VHF/UHF tuneable Antenna is a multi-band, low profile, blade antenna designed for operation in the frequency bands of 30 MHz to 88 MHz, 108 MHz to174 MHz, 225 MHz to 530 MHz, and 960 MHz to 1220 MHz.

Weight:	1.82 lb
Dimensions:	254 x 330.2 x 86.36 mm
Frequency:	30–88 MHz 108–174 MHz 225–530 MHz 960–1220 MHz
VSWR:	<2.5:1 @ 30–88 MHz <2.5:1 @ 108–174 MHz <2.5:1 @ 225–530 MHz <2.0:1 @ 960–1220 MHz
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	23 watts @ 30–88 MHz 23 watts @ 108–174 MHz 23 watts @ 225–530 MHz 500 watts (peak) @ 960–1220 MHz
Gain:	≥ -13 dBi @ 30 MHz ≥ -4 dBi @ 88 MHz ≥ -3 dBi @ 108 MHz ≥ 0 dBi @ 174 MHz ≥ 0 dBi @ 225–530 MHz, average ≥ +2 dBi @ 960–1220 MHz, average
Connector:	DC: 12-10P VHF/UHF: TNC female L-Band: N female
Color:	Black

AV-74 BROADBAND BLADE ANTENNA

R A MILLER
EDMO# AV-74 GB
MFR# AV-74 GB



The AV-74 is a broadband blade type antenna for transponder or DME application. The antenna housing is constructed of an acrylonitrile-styrene-acrylic (ASA) shell. The white color allows maximum performance without losses due to color pigments or unseen dirt. The antenna is supplied with cellular neoprene mounting pad and hardware. The antenna is designed to operate at speeds up to 350 mph and altitudes up to 50,000 ft. It has a drag force of 0.09 lbs @ 250 mph. This antenna is a direct replacement for Comant's model CI-105.

Weight:	0.2 lb
Height:	3.4 in, max
Application:	Transponder/DME/ADS-B
Frequency:	960 MHz – 1,220 MHz
Impedance:	50Ω
VSWR:	1.5:1, max.
Pattern:	Omni-directional
Connector:	BNC (female)

AT-1108ARC VHF/UHF COMM BLADE 116-152 MHZ & 225-400 MHZ

R A MILLER
EDMO# AT-1108ARC
MFR# AT-1108/ARC



The AT-1108ARC Antenna is a combined VHF/UHF airborne communications blade antenna designed for usage airspeeds of less than Mach 1. The antenna housing is fiberglass epoxy, designed to withstand the exposure to sand and dust particles of desert areas and is foam-filled to reduce the effect of extreme temperature changes, extreme humidity, and excessive shock and vibration. The AT-1108ARC is produced to Military Specification MIL-A-55680 and has continuous operation altitudes of up to 50,000 ft and temperatures between -65°F and 131°F. It can withstand the impact shock of 30g and the steady-state acceleration of 6g. The isolation between the bands is > 40 dB. A gasket for RF shielding and positive sealing is included. The antenna is coated with a Skydrol resistant lusterless CARC black paint.

Weight:	3.5 lb
Frequency:	116–152 MHz 225–400 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF Power:	50 watts continuous
Gain:	-6 dBd, minimum
Connector:	VHF: BNC (female) UHF: TNC (female)
Color:	Black

RAV30512 MILITARY AIRBAND COMM 30-512 MHZ

R A MILLER



RAV30512GY

The RAV30512 is a broadband airborne communications antenna designed for air speeds less than Mach 1. The antenna housing is a fiberglass epoxy design to withstand the exposure to sand and dust particles of desert areas. The antenna is foam filled to reduce the effects of extreme temperature changes, extreme humidity and excessive shock and vibration. It is mechanically and environmentally qualified to MIL-A-55680 (AT-1108) and has continuous operation altitudes of up to 50,000 feet and temperatures between -65° F and 131° F. It can also withstand the impact shock of 30g and the steady-state acceleration of 6g. This antenna has the same mounting pattern and footprint as the AT-1108/ARC for easy interchangeability if needed. A conductive mounting gasket is supplied with this product.

Weight:	3.5 lb
Frequency:	30–512 MHz
VSWR:	3.5:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	50 watts CW
Gain:	-20 dBi @ 30 MHz to 0 dBi @300 MHz
Connector:	TNC (female)

EDMO#	MFR#	COLOR
RAV30512GY	RAV30512GY	Gray
RAV30512W	RAV30512W	White

VHF/GPS SATCOM / 240-400 MHZ, L1-L2

CHELTON
EDMO# 1945010NP3
MFR# 19-450-10NP3



The 19-450 UHF and GPS SatCOM Antenna is a combined UHF satellite communications and Global Positioning System (GPS) antenna. The antenna is low profile in construction and intended for airborne applications. The UHF section provides essentially hemispherical satellite communications coverage. The GPS section provides nominal hemispherical coverage in the GPS L1 and L2 frequency bands to allow reception of microwave signals from a number of satellites.

Weight:	8.8 lb
Dimensions:	15.9W x 9H in.
UHF Frequency:	240–400 MHz
UHF VSWR:	Low Angle: 2.5:1 max, High Angle: 2.0:1 max
UHF RF power:	200W max
UHF Connector:	N type female
GPS Frequency:	L1 band 1565–1586 MHz L2 band 1217–1238 MHz
GPS VSWR:	2.0:1 max
GPS Polarization:	Vertical
GPS Connector:	TNC type female

VHF/UHF/SATCOM / 30-80 MHZ, 108-152 MHZ, & 240-400 MHZ

CHELTON
EDMO# 19-440-10
MFR# 19-440-10



The 19-440-10 V/UHF Broadband and UHF SatCOM Antenna is a combined broadband VHF/UHF communications and UHF satellite communications antenna. The 19-440-10 comprises two orthogonally mounted elements, a circularly polarized turnstile antenna and a vertically polarized broadband fan monopole. Low angle coverage is provided by the vertical element, and high angle coverage is provided by the circularly polarized element. In this way, essentially full hemispheric coverage is achieved for satellite communications.

Weight:	8.04 lb
Dimensions:	15.9 in. diameter, 8.25 in. height
Frequency:	30–88 MHz 108–152 MHz 225–400 MHz High Angle: 240–400 MHz
VSWR:	Low Angle 2.5:1 max High Angle 2.0:1 max
Polarization:	Low Angle: Essentially vertical when mounted vertically, High Angle: Predominantly RHCP at zenith
Connector:	Low Angle: TNC Type Female High Angle: N Type Female

VHF/UHF/ELT / 30-80 MHZ, 108-152 MHZ, & 240-400MHZ

COOPER ANTENNAS
EDMO# 21-50-339
MFR# 21-50-339



The 21-50-339 is an externally mounted airborne VHF/UHF/ELT (Emergency Locator Transmitter) antenna operating over the maritime and aviation distress frequencies. The radiating element comprises a hard drawn alloy tube inserted into a molded base which contains foamed-in place matching circuits capable of handling up to 25 Watts power. The method of construction provides protection from environmental conditions including vibration, shock and temperature variations.

Weight:	0.37 lb
Height:	8.5 in.
Frequency:	121.5 MHz, 156.8 MHz, & 243 MHz
VSWR:	2.6:1 Maximum
Polarization:	Vertical
RF Power:	25 Watts
Connector:	BNC Female
Mounting	4-hole

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VHF/UHF BROADBAND AVIONIC ANTENNA

MATTERWAVES
EDMO# B530512EXT
MFR# MAT-B5-0.03-0.512-XT4-EXT



VHF/UHF avionic, broadband, blade antenna operates on 30 MHz to 512 MHz frequencies with a 50 ohm impedance, and has a 100 watt power handling capacity. Painted lusterless black #37038 per FED-STD-595B.

- 30 MHz — 512 MHz extended VHF/UHF frequency range
- 100 watt power handling capacity
- 70,000 ft altitude range

Dimensions:	2.062 x 5.25 x 5.721 in
Weight:	18 oz
Frequency:	VHF/UHF: 30 MHz — 512 MHz
Pattern:	Omni-directional
Polarization:	Vertical
Impedance	50Ω
Lightning Protection:	DC grounded
Connector type:	TNC (female)
Finish:	Skydrol resistant polyurethane enamel base iridite per MIL-C-5441F
Federal & Military Specifications:	TSO C169A, C37b, C38b, C144, DO-160D, DO-228, MIL-STD-461E/F, MIL-E-5400, MIL-C-5541F, MIL-I-45208A, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A, SAE J1455

TACTICAL TRI-BAND COMM ANTENNA

MATTERWAVES
EDMO# MATB9XB1
MFR# MAT-B9-136-870-XB1



The MAT-B9-136-870-XB1 single-port, blade antenna is designed to provide tri-band frequency coverage. Covered frequency Range: 136–174 MHz, 380–520 MHz, and 764–870 MHz.

- Tri-band frequency
- Single port design
- Blade style antenna
- Aluminum alloy base
- Gloss white finish
- Skydrol resistant
- Hermetically sealed
- BNC connector

Weight:	11.3 oz
Dimensions:	5.25 x 2.062 x 9.055 in
Frequencies:	136 MHz – 174 MHz 380 MHz – 520 MHz 764 Mhz – 870 MHz
Finish:	Skydrol resistant polyurethane enamel abs iridite per MIL-C-5441f
Connector:	BNC
Speed rated:	575 mph

UHF ANTENNAS

POLICE GSM/CELLULAR/UHF AIRBORNE BLADE ANTENNA

MATTERWAVES
EDMO# B58286XT4
MFR# MAT-B5-0.82-0.86-XT4



This police GSM/Cellular/UHF airborne omni blade antenna operates on the frequency range of 820 MHz — 990 MHz and has a 250 watt power handling capacity. Painted lusterless black #37038 per FED-STD-595B.

- 820 MHz — 990 MHz frequency range
- 250W power handling
- 70,000 ft altitude range

Weight:	11 oz
Dimensions:	2.062 x 5.25 x 4.721 in
Frequency Range:	820 MHz — 990 MHz
Pattern:	omni-direction
Polarization:	vertical
VSWR:	2.0:1
Lighting Protection:	DC grounded
Finish:	Skydrol resistant polyurethane enamel base iridite per MIL-C-5441F
Connector:	TNC (female)
Federal & Military Specifications:	TSO C169A, C37b, C38b, C144, DO-160D, DO-228, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A, SAE J1455

CI 200 UHF RADIOTELEPHONE MINI WHIP 450-470 MHZ

COMANT
EDMO# CI-200
MFR# CI 200



The CI 200 is a UHF radiotelephone mini whip antenna particularly well suited to the harsh environments experienced on the underside of the aircraft. Featuring a die-cast aluminum base and radiator encased in a glass laminate housing.

Weight:	0.5 lb
Height:	6-1/8 in
Frequency:	450–470 MHz
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	30 watts
Altitude:	30,000 ft
Connector:	BNC (female)
Mounting:	Three-hole mounting pattern
Material:	Aluminum alloy / fiberglass whip
Finish:	Polyurethane enamel

CI 177-20 UHF RADIOTELEPHONE MINI WHIP 450-470 MHZ

COMANT
EDMO# CI-177-20
MFR# CI 177-20



The CI 177-20 is a UHF radiotelephone mini whip antenna particularly well suited to the harsh environments experienced on the underside of the aircraft. Featuring a die-cast metal base and radiator encased in a glass laminate housing.

Weight:	0.7 lb
Height:	7 in
Frequency:	450–470 MHz
VSWR:	2.0:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	30 watts
Altitude:	30,000 ft
Connector:	BNC (female)
Mounting:	Three-hole mounting pattern
Material:	Die cast metal base
Finish:	Gloss white polyurethane
Certification:	RTCA DO-160D

CI 177-2 FM WHIP ANTENNA

COMANT
EDMO#
MFR#



The CI 177-2 whip antenna is designed for use over the public service FM Frequency band. The mounting uses the popular 4 hole with the radiating element enclosed in a high strength tapered glass laminate housing.

- 138-174 MHz frequencies
- Vertical polarization
- Omni-directional radiation pattern
- Molded base
- 4-hole mounting
- Enclosed radiating element
- High strength tapered glass laminate housing

Weight:	0.50 lb
Height:	14.5 in
Frequency:	138 MHz — 174 MHz
VSWR:	2.5:1, maximum
Polarization:	vertical
Radiation Pattern:	Omni-directional
Impedance:	50Ω
Certifications:	FAA TSO C37b, C38b

21-68TP3 UHF WHIP / 380-470MHZ

CHELTON
EDMO# 21-68TP3
MFR# 21-68TP3



The 21-68 Whip Antenna provides communications in the frequency range 380 MHz to 470 MHz. The antenna is configured as a whip type monopole and is intended for use in general subsonic airborne applications. The antenna comprises a cylindrical aluminum alloy element within a protective composite sleeve that is fitted to an aluminum alloy, mounting block. The block provides the single RF connector (BNC).

Weight:	2.20 lb
Dimensions:	8.35 x 0.92 in
Frequency:	380–470 MHz
VSWR:	2.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	25 W CW (maximum)
Connector:	BNC
Mounting:	Single hole self-fixing

CI 275 SERIES UHF RADIOTELEPHONE BLADE 403-512 MHZ

COMANT



The CI 275 series UHF radiotelephone blade antennas are designed for high-performing aircraft over a full frequency range of 406 MHz to 512 MHz. The antenna is encased in a low height, low drag, and lightweight molded body to ensure high reliability.

Weight:	8 oz
Height:	3.5 in
Frequency:	403–512 MHz
VSWR:	2.0:1
Polarization:	Vertical
Radiation pattern:	Typical 1/4 wave stub
RF power:	50 watts (average)
Connector:	BNC, TNC, N (specify)
Mounting:	One-hole mounting
Material:	Nickel-plated
Finish:	White polycarbonate

EDMO#	MFR#	CONNECTOR
CI-275	CI 275	BNC (female)
CI-275-2	CI 275-2	TNC (female)
CI-275-5	CI 275-5	N (female)

CI 285 UHF RADIOTELEPHONE BLADE / 400-960 MHZ

COMANT
EDMO# CI-285
MFR# CI 285



The CI 285 is a UHF radiotelephone antenna blade antenna designed for high-performing aircraft over the full frequency range of 400 MHz to 960 MHz. The antenna is encased in a low height, low drag, lightweight molded body and metal mounting base to ensure stable performance in tough environmental conditions.

Weight:	0.75 MHz
Height:	5.2 in
Frequency:	400–960 MHz
VSWR:	2.0:1
Polarization:	Vertical
Radiation pattern:	Typical 1/4 wave stub
RF power:	100 watts
Altitude:	55,000 ft
Connector:	N (female)
Mounting:	Six-hole mounting pattern
Material:	Lexan
Finish:	Polyurethane enamel
Certification:	RTCA DO-160C

CI 310 SERIES UHF L-BAND RADIOTELEPHONE BLADE / 806-960 MHZ

COMANT



The CI 310 series is a UHF, L-band radiotelephone blade antennas are designed for high-performing aircraft. Featuring a low profile, lightweight antenna design and is packaged in a molded body with metal mounting base to ensure a stable environmental performance and resistance to vibration, rain erosion, and cleaning solvents.

Weight:	0.32 lb
Height:	3.25 in
Frequency:	806–960 MHz
VSWR:	1.75:1 @ 806–960 MHz, 1.5:1 @1030–1090 MHz
Polarization:	Vertical
Radiation pattern:	Equivalent 1/4 wave stub
RF power:	100 watts (maximum)
Connector:	BNC or TNC (specify)
Mounting:	Four-hole mounting pattern
Material:	High density polyurethane enamel
Finish:	White polyurethane enamel
Certification:	TSO-C74a, Class 1A, RTCA DO-160C

EDMO#	MFR#	DESCRIPTION
CI-310-20	CI 310-20	BNC
CI-310-22	CI 310-22	TNC
CI-310-224	CI 310-22-4	TNC | Black

AS3808/ARC UHF COMM BLADE

R A MILLER
EDMO# AS3808/ARC
MFR# AS-3808



The AS3808/ARC antenna is design for high power airborne UHF communications and is produced to the Electrospace Systems Specifications EM-A0051 which specifies environmental tests per MIL-STD-810 with an operating altitude of 70,000 feet and airspeed of Mach 1.1. This antenna has a Skydrol resistant urethane coating per MIL-PRF-85285.

Frequency:	225–400 MHz
VSWR:	2.0:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	1500 watts (continuous)
Gain:	+3 dBi to -1 dBi
Airspeed:	Mach 1.1
Altitude:	70,000 ft
Connector:	HN (female)
Color:	Gloss white

AT-256A/ARC UHF COMM BLADE

R A MILLER
EDMO# AT-256AARC
MFR# AT-256A/ARC



The AT-256A/ARC Antenna is used for airborne communications on various fixed-wing and rotary-wing aircraft. The antenna is produced to Military Specifications MIL-A-5815 and MIL-A-5815/1. The antenna is designed to operate at the extreme temperature range of -65°F to 257°F with intermittent operation at 302°F and can withstand a static load of 8 psi perpendicular to the blade, with an ultimate of 12 psi. The antenna is protected by an anodic coating to prevent corrosion and the outside surfaces will resist particular erosion up to Mach 0.95.

Weight:	2 lb
Frequency:	225–400 MHz
VSWR:	2.0:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	50 watts
Gain:	-1 dBmp
Airspeed:	Mach 0.95
Altitude:	70,000 ft
Connector:	N (female)

CI 306 UHF RADIOTELEPHONE STUB 800-870 MHZ

COMANT
EDMO# CI-306
MFR# CI 306



The CI 306 is a UHF radiotelephone stub antenna designed to withstand the environment associated with the underside of the aircraft. The antenna radiator is mechanically captivated and sealed against leakage. All exposed metal surfaces are nickel-plated for corrosion resistance and long service.

Weight:	0.15 lb
Height:	4 in
Frequency:	800–870 MHz
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Typical of 1/4 wave stub
RF power:	50 watts
Altitude:	25,000 ft
Connector:	BNC
Mounting:	One-hole mounting
Material:	Nickel-plated brass
Finish:	Tin-nickel alloy

CI 273 UHF RADIOTELEPHONE STUB 403-512 MHZ

COMANT
EDMO# CI-273
MFR# CI 273



The CI 273 is a UHF radiotelephone stub antenna has its electrical performance specified over the frequency range of 403 MHz to 512 MHz in various band segments. It is also designed to withstand the environment associated with the underside of an aircraft. The antenna radiator is mechanically captivated and seated against leakage. All exposed metal surfaces are nickel-plated for corrosion resistance and long service.

Weight:	0.18 lb
Height:	7 in
Frequency:	403–512 MHz
VSWR:	3.0:1 @ 403–512 MHz
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 wave stub
RF power:	50 watts (average)
Connector:	BNC (female)
Mounting:	One-hole mounting
Material:	Nickel-plated brass
Finish:	Tin-nickel alloy

CI 271 UHF RADIOTELEPHONE STUB 400-430 MHZ

COMANT
EDMO# CI-271
MFR# CI 271



The CI 271 is a UHF radiotelephone stub antenna designed to withstand the environment associated with the underside of an aircraft. The antenna radiator is mechanically captivated and seated against leakage. All exposed metal surfaces are nickel-plated for corrosion resistance and long service.

Weight:	0.18 lb
Height:	7 in
Frequency:	400–430 MHz
VSWR:	1.8:1
Polarization:	Vertical

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Radiation pattern:	Equivalent to 1/4 wave stub
RF power:	50 watts
Connector:	BNC (female)
Mounting:	One-hole mounting
Material:	Nickel-plated brass
Finish:	Tin-plated alloy

CI 106 UHF RADIOTELEPHONE STUB 450-470 MHZ

COMANT
EDMO# CI-106
MFR# CI 106

The CI 106 is a UHF radiotelephone stub antenna designed to with stand the environment associated with the underside of an aircraft. Antenna radiator is mechanically captivated and sealed against leakage. All exposed metal surfaces are nickel-plated for corrosion resistance and long service.



Weight:	0.18 lb
Height:	7 in
Frequency:	450–470 MHz
VSWR:	1.7:1
Polarization:	Vertical
Radiation pattern:	Typical 1/4 wave
RF Power:	50 watts
Connector:	BNC (female)
Mounting:	One-hole mounting
Material:	Tin-nickel alloy
Finish:	Nickel-plated brass

AV-21 UHF RADIOTELEPHONE STUB 746-960 MHZ

R A MILLER
EDMO# AV-21
MFR# AV-21

The AV-21 is a broadband radiotelephone antenna that uses a BNC connector and allows for a smaller mounting hole. It is designed to operate at speeds up to 350 mph and altitudes up to 50,000 feet; drag force is 0.41 pounds at 250 mph.



Weight:	1.2 oz
Height:	4.25 in
Frequency:	746–960 MHz
VSWR:	1.5:1 (764–870 MHz), 2.7:1 (870–960 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	1 kW (peak)
Airspeed:	250 mph
Altitude:	50,000 ft
Connector:	BNC (female)

AV-15 UHF RADIOTELEPHONE STUB 450-470 MHZ

R A MILLER
EDMO# AV-15
MFR# AV-15

The AV-15 is a UHF radiotelephone stub antenna used with lane mobile radio, and flight phone bands. The durably constructed chrome-plated phosphor bronze whip is set in a Teflon insulator and the chrome-plated ball tip provides low-noise static discharge. The antenna is design to operate at speeds up to 350 mph and altitudes of 50,000 feet. It has a drag force of 0.75 lb @ 250 mph.



Weight:	2 lb
Height:	6.25 in
Frequency:	450–470 MHz
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	100 watts
Airspeed:	350 mph
Altitude:	50,000 ft
Connector:	N (female)
Certification:	TSO-C37d, TSO-C38d

NAVIGATION ANTENNAS

CI 120G/S VOR/LOC/GS BLADE - SINGLE OUTPUT / 108-118 MHZ & 329-335 MHZ

COMANT

The CI 120G/S VOR/LOC/GS navigation antenna set that provides optimum VOR performance when used for area navigation. The antenna system is qualified for use on single, twin, jet and helicopter aircraft, and also provides glide slope reception capability.



The complete set includes two blade antenna, each with single BNC connector output, two coax interconnect cables and a signal combiner with single BNC connector output providing for a single cable run to the avionics installation.

Weight:	1.4 lb
Height:	6 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	6.0:1 (108–118 MHz), 5.0:1 (329–335 MHz)
Polarization:	Horizontal
Radiation pattern:	Omni-directional
RF power:	Receive only
Airspeed:	600 Knots TAS @ 25,000 ft
Altitude:	50,000 ft
Connector:	BNC / single output combiner
Finish:	Polyurethane enamel
Certification:	TSO-C34e, TSO-C36e, TSO-C40c, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

EDMO#	MFR#	DESCRIPTION:
CI-120 G/S	CI 120G/S	CI 120G/S antenna
REPLACEMENT PARTS		
CI-120 G/S	CI 120G/S	VOR/GS balanced loop antenna
CI-120-1	CI 120-1	Single blade
CI-120-1-L	CI-120-1-L	Single blade | Leading edge protection

CI 120-200G/S VOR/LOC/GS BLADE - DUAL OUTPUT / 108-118 MHZ



COMANT
EDMO# CI-120-200
MFR# CI 120-200G/S

VOR/LOC/GS navigation antenna set provides optimum VOR performance when used for area navigation. Antenna system qualified for use on single engine, twin, jet, and helicopter aircraft. Complete set includes two blades, each with BNC connector output, and two coax interconnect cables. Dual output signal combiner providing for separate RF cable runs to the avionics installation for NAV1 and NAV2 receivers is included.

Weight:	1.4 lb
Height:	6 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	6.0:1 (108–118 MHz), 5.0:1 (329–335 MHz)
Polarization:	Horizontal
Radiation pattern:	Omni-directional
RF power:	Receive only
Airspeed:	600 Knots TAS @ 25,000 ft
Altitude:	50,000 ft
Connector:	BNC / single output combiner
Finish:	Polyurethane enamel
Certification:	TSO-C34e, TSO-C36e, TSO-C40c, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

CI 120-200 VOR/LOC/GS-L - DUAL OUTPUT 108-118 MHZ



COMANT
EDMO# 120200GS-L
MFR# CI 120-200G/S-L

The CI 120-200 VOR/LOC/GS navigation antenna set provides optimum VOR performance when used for area navigation. Antenna system qualified for use on single engine, twin, jet, and helicopter aircraft. The blades have leading edge protection and come with a rubber gasket enabling mounting on curved vertical stabilizers. This antenna also provides glide slope capability. Complete set includes a pair of two blades, each with single BNC connector output, and two coax interconnect cables. The dual output signal combiner is included (provides separate RF cable runs to the avionics installation for NAV1 and NAV2 receivers).

Weight:	1.4 lb
Height:	6 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	6.0:1 (108–118 MHz), 5.0:1 (329–335 MHz)
Polarization:	Horizontal
Radiation pattern:	Omni-directional
RF power:	Receive only
Airspeed:	600 Knots TAS @ 25,000 ft
Altitude:	50,000 ft
Connector:	BNC / single output combiner
Finish:	Polyurethane enamel
Certification:	TSO-C34e, TSO-C36e, TSO-C40c, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

CI 120-400 VOR/LOC/GS BLADE - DUAL OUTPUT / 108-118 MHZ & 329-335 MHZ



COMANT
EDMO# CI-120-400
MFR# CI 120-400

The CI-120-400 VOR/LOC/GS navigation antenna blade set is for the Cessna 182 series aircraft. It includes a pair of blade antennas, each with a single BNC output, and two interconnecting cables. Single BNC output phasing combiner provides for a single RF cable run to the avionics installation.

Weight:	1.4 lb
Height:	6 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	3.0:1 (108–118 MHz), 3.5:1 (329–335 MHz)
Polarization:	Horizontal
Radiation pattern:	Omni-directional
RF power:	Receive only
Airspeed:	300 Knots TAS @ 25,000 ft
Altitude:	50,000 ft
Connector:	BNC / single output combiner
Finish:	Polyurethane enamel
Certification:	TSO-C34e, TSO-C36e, TSO-C40c, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

CI 24-37-01 VOR/GS BLADE - DUAL OUTPUT 118-108 MHZ & 329-336 MHZ



COMANT
EDMO# CI-2437-01
MFR# CI 24-37-01

The CI 24-37-01 navigation antenna system is designed to provide optimum VOR/LOC/GS performance and is qualified for use on larger twin engine, jet, and helicopter aircraft. The complete set includes a pair of two blade antennas, each with single BNC connector outputs, two coax interchange cables, and a single output signal combiner providing for a single RF cable run to the avionics installation to the NAV receivers. This heavy-duty set is ideal for Beechcraft King Air aircraft and other similar aircraft.

Weight:	2.8 lb (complete system)
Height:	6.5 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	6.0:1 (108–118 MHz), 3.5:1 (329–335 MHz)
Polarization:	Horizontal
Radiation pattern:	Omni-directional

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RF power:	Receive only
Finish:	Polyurethane enamel
Altitude:	50,000 ft
Connector:	BNC / single output combiner
Mounting:	Eight-hole mount pattern (each blade)
Certification:	TSO-C34e, TSO-C36e, TSO-C40c, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

N4-33 VOR/LOC/BLADE - SINGLE OUTPUT 108-122 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM N4-33-3
MFR# DM N4-33-3



The N4-33 VOR/LOC antenna is designed for high performing aircraft where aerodynamic drag and weight must be held at a minimum. These systems provide increased range and reduced bearing error — not possible with dipole type installations. Rugged metal edges provide erosion resistance and the flush glass housing ensures smooth airflow for reduced drag. Each assembly is foam-filled for maximum reliability. The N4-33 is intended primarily for retrofit installations or antenna modifications on existing aircraft and designed for ease of installation.

Weight:	5.2 lb
Frequency:	108–118 MHz
VSWR:	5:1
Polarization:	Horizontal
Radiation pattern:	Hemispherical
RF power:	Receive only
Connector:	BNC (N4-33/C), TNC (N4-33/D)
Mounting:	Eight-hole external, two-hole internal (each blade)
Certification:	TSO-C40a

EDMO#	MFR#	DESCRIPTION
DM N4-33-3	DM N4-33-3	N4-33 single blade antenna
ACCESSORIES		
DM N4-33-5	DM N4-33-5	T cable for N4-33/C antenna system

N4-17/N VOR/LOC/GS BLADE - SINGLE OUTPUT / 108-118 MHZ & 329-335.3 MHZ

HARRIS CORP. (D&M EDO)



DM N4-171N

The N4-17 VOR/LOC/GS antenna is designed for general aviation, commercial, and military aircraft that operate up to Mach 1.0. DM N4-17 is designed to provide a low-cost, lightweight, and low-drag antenna for state-of-the-art avionics. This antenna's performance parameters exceed environmental specifications of MIL-5400 Class 3 equipment; therefore, it can be installed on single engine to jet engine aircraft. The balanced loop design of the DM N4-17/N assures an omnidirectional radiation pattern at the horizon to obtain maximum signal for VOR and area navigation which provides more receiving distance and reliable system performance.

Weight:	1.32 lb
Frequency:	108–118 MHz (VOR/LOC), 329–335.3 MHz (GS)
VSWR:	5.0:1
Polarization:	Horizontal
Radiation pattern:	Omni-directional (VOR/LOC), Forward pointing (GS)
Gain:	0 ± 2 dB
Power handling:	Receive only
Connector:	BNC (female)
Certification:	TSO-C43e, TSO-C36e, TSO-C40c, RTCA DO-138 AA5XXXXXHDX5

EDMO#	MFR#	DESCRIPTION
DM N4-17/N	N4-17/N	Two antenna elements, one coupler, two cables, and two gaskets
DM N4-171N	N4-17-1/N	Two antenna elements only
ACCESSORIES		
DM U235-1	DMU235-1	Gasket
DM N4-17-2	N4-17-2	VOR/GS phasing coupler
DM U212-1	U212-1	RF cable

N4-15 VOR/LOC BLADE - DUAL OUTPUT 108-122 MHZ

HARRIS CORP. (D&M EDO)



The N4-15 is a VOR/LOC, low drag, balanced loop antenna designed to be used on high performance aircraft where aerodynamic drag and weight are crucial. This antenna system provides increased range and reduced bearing error. The rugged metal edges provide erosion resistance, and a flush glass fiber housing ensure smooth airflow to reduce drag. Each assembly is foam filled for maximum reliability. The N4-15 is primarily intended for new aircraft installation or as a retrofit when dual-antenna capability is required.

Weight:	5.5 lb
Frequency:	108–118 MHz
VSWR:	5:1, maximum
Polarization:	Horizontal
Radiation pattern:	Hemispherical
RF power:	Receive only
Connector:	TNC
Certification:	TSO-C40a

EDMO#	MFR#	DESCRIPTION
DM N4-15	N4-15	DM N4-15 blade antenna
ACCESSORIES		
DM U82-1	DM U82-1	Gasket for DM N4-15 antenna

CI 259E VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 329-335 MHZ

COMANT
EDMO# CI-259-E
MFR# CI 259E



The CI 259E VOR/LOC/GS "V" dipole antenna has fixed element and is ideal for use on helicopter aircraft. It features an integral ferrite balun and fixed element construction which is designed to withstand the severe low frequency vibration environment experienced by typical helicopter installations.

Weight:	0.35 lb
Height:	16 in
Frequency:	108–118 MHz, 329–335 MHz
Polarization:	Horizontal
Radiation pattern:	Dipole
RF power:	Receive only
Altitude:	50,000 ft
Connector:	BNC
Mounting:	Two-hole mounting pattern
Material:	Delrin housing / polyester glass laminate over stainless steel radiators
Finish:	Black housing / stainless steel whips
Certification:	TSO-C34c, TSO-C36c, TSO-C40a, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

CI 215 VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 329-335 MHZ

COMANT



The CI 215 is a VOR/LOC/GS "V" Dipole antenna with detachable elements featuring two integrally molded mounting legs or "spacers" for increased strength. The radiating elements are laminated with polyester glass material for improved precipitation static protection. This antenna is interchangeable with the VOR/LOC/GS antennas uses on most Cessna single engine aircraft since 1980 including the Cessna 182 and 210 models.

Weight:	0.6 lb
Height:	23 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	3.0:1
Polarization:	Horizontal
Radiation pattern:	Dipole
RF power:	Receiver only
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Two-hole mounting pattern
Material:	Delin housing / Glass laminate whips
Finish:	Black housing / polyurethane enamel
Certification:	TSO-C34c, TSO-C36c, TSO-C40a, RTCA DO-160

EDMO#	MFR#	DESCRIPTION
CI-215	CI 215	CI 215 antenna
REPLACEMENT PARTS		
B15906	B15906	Single antenna element

CI 159C VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 329-335 MHZ

COMANT



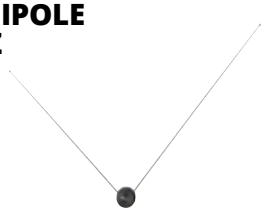
The CI 159C is a VOR/LOC/GS "V" Dipole antenna with detachable elements that mount to the top of most single-engine, general aviation aircraft. This antenna has an integral ferrite balun to provide higher radiation efficiency. The detachable fiberglass elements allow for a significantly smaller shipping and storage carton than fixed element versions.

Weight:	0.45 lb
Height:	17 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	3.0:1
Polarization:	Horizontal
Radiation pattern:	Dipole
RF power:	Receive only
Altitude:	50,000 ft
Connector:	BNC
Mounting:	Two-hole mounting pattern
Material:	Delrin housing / polyester glass laminate over stainless steel radiators
Finish:	Black housing / stainless steel whips
Certification:	TSO-C34c, TSO-C36c, TSO-C40e, RTCA DO-160

EDMO#	MFR#	DESCRIPTION
CI-159C	CI 159C	CI 159C antenna
REPLACEMENT PARTS:		
B15906	B15906	Single antenna element

CI 158C-2 VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 329-335 MHZ

COMANT



The CI 158C-2 is a VOR/LOC/GS "V" Dipole antenna with detachable elements that mounts to the top of vertical stabilizers of most single-engine, general aviation aircraft. Similar in design to the CI 157P, the CI158C has an integral ferrite balun to provide higher radiation efficiency. The detachable elements allow for a significantly smaller shipping and storage carton than fixed element versions.

Weight:	0.35 lb
Height:	17-5/8 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	3.0:1
Polarization:	Horizontal
Radiation pattern:	Dipole
RF power:	Receive only
Altitude:	50,000 ft
Connector:	BNC
Mounting:	Four-hole mounting pattern
Finish:	Black housing / stainless steel whips
Certification:	TSO-C34c, TSO-C36c, TSO-C40a, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

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EDMO#	MFR#	DESCRIPTION
CI-158C-2	CI 158C-2	CI 158C-2 antenna
REPLACEMENT PARTS:		
B15804	B15804	Single antenna element

CI 158C VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 329-335 MHZ

COMANT



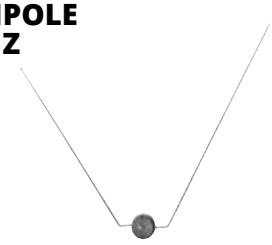
The CI 158C is a VOR/LOC/GS "V" Dipole antenna with detachable elements that mounts to the top of vertical stabilizers of most single-engine, general aviation aircraft. Similar in design to the CI 157P, the CI158C has an integral ferrite balun to provide higher radiation efficiency. The detachable elements allow for a significantly smaller shipping and storage carton than fixed element versions.

Weight:	0.35 lb
Height:	17-5/8 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	3.0:1
Polarization:	Horizontal
Radiation pattern:	Dipole
RF power:	Receive only
Altitude:	50,000 ft
Connector:	BNC
Mounting:	Two-hole mounting pattern
Finish:	Black housing / stainless steel whips
Certification:	TSO-C34c, TSO-C36c, TSO-C40a, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

EDMO#	MFR#	DESCRIPTION
CI-158C	CI 158C	CI 158C antenna
REPLACEMENT PARTS:		
B15804	B15804	Single antenna element

CI 157P VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 329-335 MHZ

COMANT
EDMO# CI-157P
MFR# CI 157P



The CI 157P is a VOR/LOC/GS "V" dipole antenna with fixed elements designed specifically for compatibility with the Piper Aircraft mounting.

Weight:	0.5 lb
Height:	18.6 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	3.0:1
Polarization:	Horizontal
Radiation Pattern:	Dipole
RF power:	Receiver only
Altitude:	50,000 ft
Connector:	BNC
Mounting:	Two-hole mounting pattern
Finish:	Black housing / stainless steel whips
Certification:	TSO-C34e, TSO-C36e, TSO-C40c, RTCA DO-192, RTCA DO-195, RTCA DO-196, RTCA DO-160D

AV-12 VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 328-336 MHZ

R A MILLER



The AV-12 VOR/LOC/GS antenna is a receive only device that uses an efficient manufacturing method to mold the antenna elements directly into a high-impact, thermo-setting Bakelite center insulator. The stainless-steel elements are ground to tolerances for a low profile and can operate at speeds up to 350 mph and altitudes up to 50,000 feet.

Frequency:	108–118 MHz, 328–336 MHz
VSWR:	2.2:1
Polarization:	Horizontal
Radiation pattern:	Omni-directional
Airspeed:	350 mph
Altitude:	50,000 ft
Connector:	Threaded studs to accept transmission line assemble with integral balun transformer (not included with AV-15)
Mounting:	Installer drill holes as needed
Certification:	TSO-C40c

EDMO#	MFR#	DESCRIPTION
AV-12	AV-12	AV-12 antenna
ACCESSORIES		
15-97-6	15-97-6	Transmission line

AV-520 VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 329-335 MHZ

R A MILLER
EDMO# AV-520
MFR# AV-520



The AV-520 is a VOR/LOC/GS antenna with detachable "V" style, stainless steel elements and internal balun transformer. The AV-520 is rated for airspeed up to 350 mph and altitudes up to 50,000 feet.

- Direct replacement for the CI 159C

Frequency:	108–118 MHz (VOR/LOC), 328–338 MHz (GS)
Polarization:	Horizonal
Radiation pattern:	Omni-directional
Airspeed:	350 mph
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Two-hole mount pattern
Certification:	TSO-C34e, TSO-C36e, TSO-C40c

TOWEL BAR/VOR/LOC/GS ANTENNAS

AV-525 VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 328-336 MHZ

R A MILLER
EDMO# AV-525
MFR# AV-525



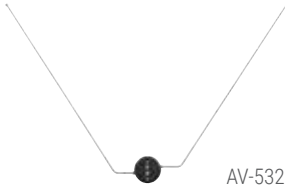
The AV-525 is a "V" style VOR/LOC/GS antenna to the AV-525 that uses an internal balun transformer. The AV-525 is rated for airspeed up to 350 mph and altitudes up to 50,000 feet.

- Direct replacement for the CI 157P

Frequency:	108–118 MHz (VOR/LOC), 328–336 MHz (GS)
VSWR:	3.0:1 (VOR/LOC), 2.0:1 (GS)
Polarization:	Horizontal
Radiation pattern:	Omni-directional
Airspeed:	350 mph
Altitude:	50,000 ft
Connector:	BNC (female)
Mounting:	Two-hole mounting pattern (Compatible with Piper aircraft mounting)
Certification:	TSO-C34e, TSO-C36e, TSO-C40c

AV-532 VOR/LOC/GS "V" DIPOLE 108-118 MHZ & 328-336 MHZ

R A MILLER



AV-532

The AV-532 is VOR/LOC/GS receive only antenna which consist of a taper ground high-strength 17-7PH stainless steel elements for reliable resistance to vibration and wind. This antenna's insulators are made of weather-sealed, compression-molded bakelite with included mounting holes. The 532 may be mount pointing forward or aft and is designed to operate at speeds up to 350 mph and altitudes up to 50,000 feet.

Frequency:	108–118 MHz (VOR/LOC), 328–336 MHz (GS)
VSWR:	2.0:1
Polarization:	Horizontal
Radiation pattern:	Omni-directional
RF power:	Receiver only
Airspeed:	350 mph
Altitude:	50,000 ft
Connector:	Threaded studs to accept transmission line assembly with integral balun transformer (not included)
Certification:	TSO-C40c

EDMO#	MFR#	DESCRIPTION
AV-532	AV-532	AV-532 antenna
AV-532L	AV-532L	AV-532 antenna | Includes cable
ACCESSORIES		
15-97-3	15-97-3	Balun transmission line

CI 205-3 TOWEL BAR VOR/LOC/GS - SINGLE OUTPUT / 108-118 MHZ & 329-335 MHZ

COMANT



CI-205-3

The CI 205-3 Towel Bar style VOR/LOC/GS high performance navigation antenna set is designed for mounting on the aircraft vertical stabilizer or helicopter tail boom. The antenna features low weight and drag. Its tubular structure to minimize helicopter rotor "down wash" forces. Includes a set of two "towel bar" sensor elements each with a single BNC output connector and a one-piece dual coax interconnect signal combiner harness with single BNC connector output. Provides for a single cable run to the avionics location. Approved for light helicopter installations.

Weight:	1.75 lb
Height:	5.25 in
Frequency:	108–118 MHz (VOR/LOC), 329–335 MHz (GS)
VSWR:	5.0:1
Polarization:	Horizontal
Radiation pattern:	Omni-directional
RF power:	Receive only
Connector:	BNC (female)
Mounting:	Eight-hole (each antenna)
Certification:	TSO-C34c, TSO-C36c, TSO-C40a, RTCA DO-160D

EDMO#	MFR#	DESCRIPTION
CI-205-3	CI 205-3	CI 205-3 | Two antenna set
D20543	D20543	CI-205-3 | Single antenna
ACCESSORIES		
C20544	C20544	Power combiner

N48 SERIES TOWEL BAR/VOR/LOC/GS - SINGLE OUTPUT / 108-118 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM N48-1
MFR# N48-1



DM N48-3

The N48 series is a balanced loop design assures an omni-directional radiation pattern at the horizon to obtain the maximum signal for standard VOR and area navigation systems installed in lightweight aircraft, medium twins, and helicopters operating up to 250 mph.

The DM 48-3 antenna utilizes a phasing coupler which enables ease of installation in an access panel is not available or if the vertical stabilizer is too narrow at the point of installation it makes is necessary to install the antenna with both ends cable leads forward or aft.

Weight:	1.12 lb
Frequency:	108–118 MHz
VSWR:	5.0:1
Polarization:	Horizontal

*continued on next page

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Radiation pattern:	Omni-directional
RF power:	Receive only
Connector:	BNC (male)
Finish:	White polyurethane

EDMO#	MFR#	DESCRIPTION
DM N48-1	N48-1	180-degree lead orientation
DM N48-1-2	DM N48-1-2	Single antenna element
DM N48-3	N48-3	Phasing coupler
DM N48-5	N48-5	Left half loop antenna

DM N48-8 VOR/LOC BALANCED LOOP ANTENNA

HARRIS CORP. (D&M EDO)
EDMO# DM N48-8
MFG# DM N48-8



The DM N48 LOC/VOR balanced loop antenna ensures a omni-directional radiation pattern at the horizon. This provides for maximum signal for standard VHF omni-directional radio range localizer and navigation systems installed in lightweight aircraft, medium twin engine aircraft, and helicopters operating up to 250 MPH.

- Balanced loop design
- VOR/LOC
- Extremely lightweight
- 250 mph rating

Weight:	1.12 lb (0.51 kg)
Connector:	BNC male
Finish:	White polyurethane
Frequency Range:	108 MHz – 118 MHz
VSWR:	5.0:1
Impedance:	50Ω

N4-4 TOWEL BAR/VOR/LOC/GS - SINGLE OUTPUT / 108-122 MHZ

HARRIS CORP. (D&M EDO)



The N4-4 navigation antenna system has been designed to minimize bearing errors when receiving VOR and ILS signals. It provides increased gain at the horizon, particularly during banks, over fuselage mounted "deer horn" or "vee" antennas. It can discriminate against vertically polarized signals, and when properly installed on helicopters, it rejects rotor modulation which results in better signal to noise ratios with less errors. Constructed from magnesium tubing, this antenna is lightweight and rugged, and ideal for use on light planes and helicopters.

Weight:	2 lb, without cable
Frequency:	108–122 MHz
VSWR:	< 5.0:1
Polarization:	Horizontal
Radiation pattern:	Omni-directional
RF power:	Receive only
Gain:	0 ± 2 dB
Connector:	BNC
Mounting:	On opposite vertical surfaces of aircraft
Military:	MIL-E-5400, MIL-T-5422
Certification:	TSO-C40a

EDMO#	MFR#	DESCRIPTION
DM N4-4	N4-4	DM N4-4 antenna system
DM N4-4.1	N4-4.1	Single radiating element
ACCESSORIES		
DM N4-4.2	N4-4.2	T cable

DM N4-7 HIGH SENSITIVITY BALANCED LOOP VOR/LOC ANTENNA

HARRIS CORP (D&M EDO)
EDMO# DM N4-7
MFR# N4-7

The DM N4-7 VOR/LOC navigation antenna is a true center-fed balanced loop antenna with a high sensitivity and low bearing errors. The N4-7 system consists of two center-fed half-loops and a cable which enables a closed loop current flow allowing for improved signal to noise ratio and higher cross-polarized signal rejection. These rugged antennas have proven reliable service on aircraft such as Lockheed Jet-star, P-3A, and C-141 Starlifter, Bell UH1B helicopter, Sikorsky H34 helicopter, Convair 340, Aero Commander, North American Sabreliner, Douglas DC-3, Beech King Air and many other corporate and commercial aircraft.



- True center-fed balanced loop navigation antenna
- Provides high sensitivity and low bearing errors

Weight:	4.2 lb
Connector:	BNC
Frequency Range:	108 MHz – 122 MHz
VSWR:	< 5.0:1
Gain (rel to isotropic):	0±2 dB
Impedance:	50Ω
Polarization:	Horizontal
Efficiency:	95%
Power Handling:	Receive only
Environmental:	Military: MIL-E-5400, MIL-T-5422, MIL-F-17555, MIL-T-18303, MIL-T-18307 FAA: TSO C40a

DM N4-17/P	N4-17/P	2-radiating elements with phasing coupler
DM N4-17-4	DM N4-17-4	Phasing coupler

21-4M VHF WHIP ANTENNA

CHELTON
EDMO# 21-4M
MFR# 21-4M



The 21-4 antenna is a linearly polarized, monopole antenna with wide band frequency characteristics intended for general communication and homing applications. Being of semi-rigid form, it is suitable for external fitting upon helicopters and fixed wing aircraft with a performance up to 350 kts EAS, and other similar applications. Electrical design consists of a single broad band radiating element coupled via matching circuitry to a single coaxial connector. The 21-4 consists of a tapered glass fiber sleeve supporting a light aluminium alloy radiating element. The element assembly is fitted to a metal body carrying the coaxial connector. This arrangement allows the antenna to be installed by single hole fixing and allows orientation of the coaxial connector through 360°. The antenna can be mounted true or raked using the angled spacers provided.

- Can be mounted straight or raked
- TNC and BNC options available
- Several bandwidth options available

Weight:	140g
Overall length:	562 mm
Mounting:	Single-hole self fixing
Frequency Range:	118 MHz — 152 MHz
Impedance:	50Ω
VSWR;	≤ 2.5:1
Altitude:	7,620 m

CI 110 SERIES DME/TRANSPONDER BLADE 960-1220 MHZ

COMANT



CI-1104030

CI 110 series antennas are low-profile metal antenna designed for business jet and commercial high-speed aircraft equipped with DME, standard or Mode S transponders. Available with four or six-hole mounting and connector with open or closed path to ground.

Weight:	0.25 lb
Height:	2.25 in
Frequency:	960–1220 MHz
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional (Equiv. to 1/4 wave stub)
RF power:	3.0 Kw (peak), 100 watt (average)
Altitude:	70,000 ft
Connector:	C (female)
Finish:	Gloss white polyurethane enamel
Certification:	TSO-C66c, TSO-C74c, TSO-C112 (class 1A), RTCA DO-160D

EDMO#	MFR#	MOUNTING / CONNECTOR
FOUR-HOLE MOUNT		
CI-1104030	CI 110-40-30	C connector | Open path to ground
CI-1104130	CI-110-41-30	C connector | Closed path to ground
SIX-HOLE MOUNT		
CI-1106030	CI-110-60-30	C connector | Open path to ground
CI-1106130	CI 110-61-30	C connector | Closed path to ground

DME/TRANSPONDER ANTENNAS

CI 305 DME/TRANSPONDER BLADE 960-1220 MHZ

COMANT
EDMO# CI-305
MFR# CI 305



The CI 305 is a miniature, high-speed, DME transponder antenna. With a height less than 2.75 inches, the CI-305 features a very low drag frontal profile. This strong and lightweight antenna has a four-hole external mounting pattern and operates on 960 MHz to 1225 MHz.

Weight:	0.3 lb
Height:	2.75 in
Frequency:	960–1225 MHz
VSWR:	1.8:1
Polarization:	Vertical
Radiation pattern:	Equiv. 1/4 wave stub
RF power:	Kw (peak)
Altitude:	45,000 ft
Connector:	BNC (female)
Finish:	White polyurethane enamel
Certification:	TSO-C66b, TSO-C74c, RTCA DO-160A

CI 105-22 DME/TRANSPONDER BLADE 806-960 MHZ

COMANT
EDMO# CI-105-22
MFR# CI 105-22



The CI 105-20 series is a wideband, vertically polarized, omni-directional antenna designed for high performance aircraft over the UHF/L frequency band from 806 MHz to 960 MHz. This low-profile, blade-type construction features six-hole mounting, low drag, low weight, DC grounding for lightning protection and Skydrol/rain erosion resistance.

Weight:	0.40 lb
Height:	3.55 in
Frequency:	894–896 MHz (transmit), 849–851 MHz (receive), 960–1220 MHz
VSWR:	1.5:1 (transmit & receive), 2.5:1 (960–1220 MHz)
Polarization:	Horizontal
Radiation pattern:	1/4 wave dipole
RF power:	100 watts
Airspeed:	600 KTAS @ 25,000 ft
Altitude:	70,000 ft
Connector:	BNC (female)
Mounting:	Six-hole external
Material:	Molded radome
Finish:	White polyurethane enamel
Certification:	TSO-C66b, class 1, RTCA DO-160C

CI 105-16 DME/TRANSPONDER BLADE 960-1220 MHZ

COMANT
EDMO# CI-105-16
MFR# CI 105-16



The CI 105-16 is a broadband and rugged antenna designed for DME or transponder use. The antenna assembly is designed specifically as a replacement for the Honeywell Bendix-King KA60 and offers an extended length, two-stud mounting that is found on the KA60. It includes a BNC connector and covers 960 MHz to 1220 MHz frequencies and is rated to 400 Knots TAS at 70,000 feet.

Weight:	0.2 lb
Height:	3.23 in
Frequency:	960–1220 MHz
VSWR:	1.5:1 (960–1220 MHz), 1.3:1 (1025–1150 MHz)
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 inch wave stub
RF power:	2.5 Kw
Altitude:	70,000 ft
Mounting:	Extended length two-hole mounting
Finish:	Unpainted white Valox shell
Certification:	TSO-C66b, TSO-C74c, RTCA DO-160D

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CI 105-11 DME/TRANSPONDER BLADE 960-1220 MHZ

COMANT



The CI 105-11 is a broadband and rugged antenna designed for DME or transponder use. The antenna assembly is encased in a glass reinforced polyester molded shell and has a standard two stud mounting configuration. It includes a TNC connector and covers 960 MHz to 1220 MHz frequencies and is rated to 400 Knots TAS at 25,000 feet.

Weight:	0.24 lb
Height:	3.23 in
Frequency:	960–1220 MHz
VSWR:	1.5:1 (960–1220 MHz), 1.3:1 (1025–1150 MHz)
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 inch wave stub
RF power:	2.5 Kw
Altitude:	70,000 ft
Connector:	TNC (female)
Finish:	Polyurethane enamel
Certification:	TSO-C66b, TSO-C74c, RTCA DO-160C

EDMO#	MFR#	DESCRIPTION
CI-105-11	CI 105-11	DME/transponder blade antenna
ACCESSORIES		
B10505	B10505	Cork gasket 0.032

CI 105-9 DME/TRANSPONDER BLADE 960-1220 MHZ

COMANT
EDMO# CI-105-9
MFR# CI 105-9



The CI 105-7 is a broadband and rugged antenna designed for DME or transponder use. The antenna assembly is encased in a glass reinforced polyester molded shell and has a two-hole mounting configuration. The CI 105-7 includes a BNC connector with a six-inch coax extension cable and covers 960 MHz to 1220 MHz frequencies.

Weight:	0.4 lb
Height:	3.23 in
Frequency:	960–1220 MHz
VSWR:	1.5:1 (960–1220 MHz), 1.3:1 (1025–1150 MHz)
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 inch wave stub
RF power:	2.5 Kw
Altitude:	70,000 ft
Connector:	BNC (female) with six-inch coax extension cable
Mounting:	Two-hole internal
Finish:	Polyurethane enamel
Certification:	TSO-C66b, TSO-C74c, RTCA DO-160C

CI 105-7 DME/TRANSPONDER BLADE 960-1220 MHZ

COMANT
EDMO# CI-105-7
MFR# CI 105-7



The CI 105-7 is a broadband and rugged antenna designed for DME or transponder use. The antenna assembly is encased in a glass reinforced polyester molded shell and has a flanged four-hole mounting configuration. The CI 105-7 includes a C connector and covers 960 MHz to 1220 MHz frequencies.

Weight:	0.4 lb
Height:	3.23 in
Frequency:	960–1220 MHz
VSWR:	1.5:1 (960–1220 MHz), 1.3:1 (1025–1150 MHz)
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 inch wave stub
RF power:	2.5 Kw
Connector:	C
Mounting:	Four-hole flanged mounting
Finish:	Polyurethane enamel
Certification:	TSO-C66b, TSO-C74c, RTCA DO-160C

CI 105-6 DME/TRANSPONDER BLADE 960-1220 MHZ

COMANT
EDMO# CI-105-6
MFR# CI 105-6



The CI 105-6 is a broadband and rugged antenna designed for DME or transponder use. The antenna assembly is encased in a glass reinforced polyester molded shell and has a flanged four-hole mounting configuration. The CI 105-6 includes a BNC connector and covers 960 MHz to 1220 MHz frequencies.

Weight:	0.4 lb
Height:	3.31 in
Frequency:	960–1220 MHz
VSWR:	1.5:1 (960–1220 MHz), 1.3:1 (1025–1150 MHz)
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 inch wave stub
RF power:	2.5 Kw
Altitude:	70,000 ft
Connector:	BNC (female)
Mounting:	Four-hole flanged mounting
Finish:	Polyurethane enamel
Certification:	TSO-C66b, TSO-C74c, RTCA DO-160C

CI 105-3 DME/TRANSPONDER BLADE 960-1220 MHZ

COMANT
EDMO# CI-105-3
MFR# CI 105-3



The CI 105-3 is a broadband and rugged antenna designed for DME or transponder use. The antenna assembly is encased in a glass reinforced polyester molded shell and has a flanged three-hole mounting configuration. It includes a BNC connector and covers 960 MHz to 1220 MHz frequencies.

Weight:	0.24 lb
Height:	3.31 in
Frequency:	960–1220 MHz
VSWR:	1.5:1 (960–1220 MHz), 1.3:1 (1025–1150 MHz)
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 inch wave stub
RF power:	2.5 Kw
Altitude:	70,000 ft
Connector:	BNC (female)
Mounting:	Four-hole flanged mounting
Finish:	Polyurethane enamel
Certification:	TSO-C66b, TSO-C74c, RTCA DO-160C

CI 105 DME/TRANSPONDER BLADE 960-1220 MHZ & 1025-1150 MHZ

COMANT
EDMO# CI-105
MFR# CI 105



The CI 105 is a broadband and rugged antenna designed for DME or transponder use. The antenna assembly is encased in a glass reinforced polyester molded shell and has a standard two stud mounting configuration. It includes a BNC connector and covers 960 MHz to 1220 MHz frequencies and is rated to 400 Knots TAS at 25,000 feet.

Weight:	0.24 lb
Height:	3.23 in
Frequency:	960–1220 MHz
VSWR:	1.5:1 (960–1220 MHz), 1.3:1 (1025–1150 MHz)
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 inch wave stub
RF power:	2.5 Kw
Altitude:	70,000 ft
Connector:	BNC (female)
Finish:	Polyurethane enamel
Certification:	TSO-C66b, TSO-C74c, RTCA DO-160C

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AV-61 L-BAND & TRANSPONDER BLADE 960–1220 MHZ

R A MILLER
EDMO# AV-61
MFR# AV-61



The AV-61 Aviation L-Band and Transponder Antenna is a broadband blade type antenna capable of operating on DME, transponder, ATCRBS/Modes, TCAS & TAS frequencies. This antenna is designed to operation up to 350 mph and 50,000 feet and over the frequency range from 960 MHz to 1,220 MHz. The anacrylonitrile-styrene-acrylic (ASA) shell provides durability while its white color allows for maximum performance without losses due to color pigments or unseen dirt.

Weight:	0.2 lb
Frequency:	960–1220 MHz
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
Connector:	BNC (female)

AV-74 DME/TRANSPONDER BLADE 960-1220 MHZ

R A MILLER
EDMO# AV-74
MFR# AV-74



The AV-74 is a broadband blade type antenna for transponder or DME applications. The antenna housing is constructed of an acrylonitrile- styrene -acrylic (ASA) shell. The antenna is supplied with a cellular neoprene mounting pad and hardware.

Weight:	3.2 oz
Height:	3.4 in
Frequency:	960–220 MHz
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	2.5 Kw (peak)
Airspeed:	350 mph
Altitude:	50,000 ft
Connector:	BNC (female)
Certification:	TSO-C66c, TSO-C74c

AV-74-1 DME/TRANSPONDER BLADE 960-1220 MHZ

R A MILLER
EDMO# AV-74-1
MFR# AV-74-1



The AV-74-1 broadband blade type antenna for transponder or DME applications has longer mounting studs for thicker mounting locations. The housing is constructed of acrylonitrile -styrene-acrylic (ASA) shell. The antenna is supplied with cellular neoprene mounting pad and hardware.

Weight:	3.2 oz
Height:	3.4 in
Frequency:	960–1220 MHz
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	2.5 Kw (peak)
Airspeed:	350 mph
Altitude:	50,000 ft
Connector:	BNC (female)
Certification:	TSO-C66c, TSO-C74c

AT-740/A AIRBORNE L-BAND ANTENNA

R A MILLER
EDMO# AT-740/A
MFR# AT-740/A



The AT-740/A Antenna is used for airborne radar interrogation on various fixed-wing aircraft. The antenna is produced to Military Specification MIL-A-25707 and MIL-A-25707/1. The antenna is designed to operate at the extreme temperature range of -67 F to 302 F. The antenna is a flush-mounted, cavity-back slot antenna constructed of aluminum with a fiberglass radome. The antenna has a type BNC sampling probe and is protected by an anodic coating to prevent corrosion.

Weight:	1 lb
Application:	Airborne radar interrogation
Frequency:	960 MHz — 1,220 MHz
Impedance:	50Ω
VSWR:	1.8:1 (antennas), 1.5:1 (sample probe)
Pattern:	Omni-directional
RF capacity:	4 kW (peak) / 100 watts (avg)

NI70 SERIES DME/TRANSPONDER L-BAND BLADE / 960-1220 MHZ

HARRIS CORP. (D&M EDO)



DM N170-1

The NI70 Series L-Band antennas offer a wide frequency bandwidth ideal for use with civil aviation ATC transponders and distance measuring equipment (DME). The DM N170 antennas have an omni-directional, vertically polarized coverage pattern when installed on the top or bottom of an aircraft. The streamlined shape assures minimum aerodynamic drag.

Weight:	4 oz
Frequency:	960–1220 MHz
VSWR:	1.7:1 (960–1220 MHz), 1.5:1 (1000–1100 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	2 Kw (peak)
Gain:	Equiv. to 1/4 wave stub
DC resistance:	Open circuit
Aerodynamic drag:	0.5 lb @ sea level
Certification:	TSO-C66a, TSO-C74b

EDMO#	MFR#	MOUNTING / COLOR
DM NI70-1	NI70-1	4-hole mounting | C (female) connector
DM NI70-2	NI70-2	4-hole mounting | BNC (female) connector
DM NI70-3	DM NI70-3	6-hole mounting | C (male) connector
ADAPTER PLATES		
DMU107-1	U107-1	Adapter plate for N170 series blade antenna
DMU107-2	DMU107-2	Adapter plate for N170 series blade antenna

NI50 SERIES DME/TRANSPONDER L-BAND BLADE / 960-1220 MHZ

HARRIS CORP. (D&M EDO)


DM N150-2

The NI50 Series are low-profile, all-metal, L-band blade antennas built for mechanical strength and reliability for business, commercial, and military aircraft. The design of these antennas provide extremely high, side load strength, sealed construction against the intrusion of moisture, and lightening protection to prevent damage to electronic equipment.

Weight:	4 oz
Height:	2.2 in
Frequency:	960–1220 MHz
VSWR:	< 1.7:1 (960–1220 MHz), < 1.5:1 (1000–1100 MHz)
Polarization:	Vertical
Radiation pattern:	Hemispherical
RF power:	100 watt (average), 3 Kw (peak)
Gain:	0 db (average at horizon)
Aero drag:	2 oz @ sea level (mach 0.5) 4.5 oz @ see level (mach 0.8)
Certification:	TSO-C74 (ATC transponder), TSO-C66a (DME) ARINC 532 E (ATC transponder), ARINC 521 D (DME)

EDMO#	MFR#	CONNECTOR / COLOR
FOUR-HOLE MOUNTING		
DMNI50-2-1	DMNI50-2-1	C (male) connector | Orange
DMNI50-2-4	DMNI50-2-4	C (male) connector | Black
DMNI50-2-6	DMNI50-2-6	C (male) connector | Red
DM NI50-9	DM NI50-9	TNC (male) connector | Black
DMNI50-9-2	NI50-9-2	TNC (male) connector | White
DM NI50-2	NI50-2-2	C (male) connector | White
SIX-HOLE MOUNTING		
DM NI50-3	DM NI50-3-2	C (male) connector | White
DM NI50-4	DM NI50-4-2	HN (male) connector | White
DM NI50-6	DM NI50-6-2	N (male) connector | White
DM NI50-10	DM NI50-10-2	N (male) connector | White
DMNI50-104	DM NI50-10-4	N (male) connector | Black
DMNI50-105	DM NI50-105	N (male) connector | Yellow

DMNI29 DME L-BAND BLADE / 849-1220 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DMNI29-14
MFR# DMNI29-14



The DMNI29 Series L-Band Bland Antennas use an antenna design that make them ideal for commercial and military applications. The epoxy dielectric body construction provides the NI29 antennas with a cost-effective, rugged and moisture proof design.

Weight:	0.375 lb
Frequency:	849–1220 MHz
VSWR:	Less than 5:1
Polarization:	Vertical
Gain:	Within 0.5 dB of matched ¼ wavelength stub
Connector:	N

NI24 DME L-BAND BLADE / 500-2000 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM NI24
MFR# NI24



The NI24 L-Band blade antenna is designed and manufactured with the radiating element encapsulated in an epoxy dialectic body using a transfer-molded process making them well suited for commercial and military aircraft applications. This economical and rugged construction provides a unified design while preventing moisture penetration in humid conditions. This antenna can be used with DME, IFF, TACAN, TELEMETRY, and Beacon equipment.

Weight:	6 oz
Frequency:	500–2,000 MHz
VSWR:	Less than 5:1
Polarization:	Vertical
RF power:	100 watt (average), 4 Kw (peak)
Gain:	0.5 dB of match 1/4 stub (typical)
Drag:	13 oz @ sea level (mach 0.5) 30 oz @ see level (mach 0.8)
Certification:	TSO-C66 (DME), TSO-C74 (ATC Transponder) ARINC 521 DV (DME), ARINC 532 D (ATC Transponder)
Military:	MIL-E-5400, MIL-A-7272, MIL-5272, MIL-A-25708

EDMO#	MFR#	DESCRIPTION
DM NI24	NI24	6-hole mount | HN connector
DM NI24-10	N124-10	6-hole mount | N connector

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CI 105-17-L ADS-B TRANSPONDER BLADE 960-1220 MHZ, 1030-1020 MHZ, 978 MHZ & 1090 ± 1 MHZ

COMANT
EDMO# CI-105-17L
MFR# CI 105-17-L



The CI 105-17L is a single port ADS-B, TIS-B, and UAT antenna. This antenna meets the ADS-B FAA requirements. The CI 105-17L is capable of both IN and OUT processing. This single connector blade antenna can be used for ADS-B, TIS-B, UAT, DME or ATCRBS Transponder, plus Mode S. The CI 105-17-L use a standard 6-hole mounting pattern.

Weight:	0.3lb
Height:	3.4 in
Frequency:	960–1220 MHz, 1030–1090 MHz, 978 MHz, 1090 MHz ± 1 MHz
VSWR:	2.0:1 (960–1220 MHz), 1.5:1 (1030–1090 MHz), 1.7:1 (978 MHz), 1.5:1 (1090 MHz ± 1 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	1 Kw
Altitude:	70,000 ft
Connector:	TNC (female)
Finish:	White polyurethane enamel
Certification:	TSO-C66b, TSO-C74c, TSO-C112e, TSO-C154c, TSO-C166b, RTCA DO-160G

AT-741B/B RADAR BEACON / 960-1220 MHZ

R A MILLER
EDMO# AT-741/B/B
MFR# AT-741B/B



The AT-741B/B antenna is designed for use with Radar Interrogation. Constructed from an aluminum casting provides protection from particle erosion of speeds of up to Mach 2. This antenna is produced to Military Specifications MIL-DTL-25708 and is qualified environmentally to Military Standard MIL-STD-810. The AT-741/B/B can withstand a static load of 15 psi perpendicular to the blade, operate at altitudes of 100,000 ft, and has a Skydrol resistant lusterless CARC black coating.

Weight:	0.5 lb
Frequency:	960–1220 MHz
VSWR:	1.4:1 (antenna), 1.5:1 (sample probe)
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	4 kW (peak) 0.1 kW (continuous)
Gain:	-0.5 dBmp
Probe attenuation:	19.0 ± 3 dB
Airspeed:	Mach 2
Altitude:	100,000 ft
Color:	Black
Connector:	HM (female) & BNC (female)

L-BAND & S-BAND OMNI ANTENNA

MATTERWAVES
EDMO# MAT-LINK16
MFR# MAT-1.75RW3-1.75-3.00-XT4



This L-band and S-band omni antenna is designed for telemetry, link16, PCS, and 4G-LTE applications. It operates on a frequency range from 1,500 MHz — 3,000 MHz with a 50 ohm impedance, and has a 6 kW power handling. Painted lusterless black #37038 per FED-STD-595B.

- 1,500 MHz — 3,000 MHz frequency range
- 6 kW CW & 7 kW Peak power handling capacity
- 70,000 ft altitude range

Weight:	<2 oz
Dimensions:	3 x 1.7 x in
Frequency Range:	1,500 MHz — 3,000 MHz
Pattern:	Vertical
Impedance:	50Ω
Finish:	Skydrol resistant polyurethane enamel base iridite per MIL-C-5441F
Connector:	TNC (female)
Federal & Military Specifications:	FAA TSO C139/C144, D-160D, DO-228, MIL-STD-810G, MIL-C-5541, MIL-E-5400, MIL-I-45208A, SAE J1455

CI 101 TRANSPONDER STUB 1030-1090 MHZ

COMANT
EDMO# CI-101
MFR# CI 101



The CI 101 is a top loaded stub, monopole, transponder antenna with a mechanically captivated radiator machined from solid brass for impact resistance. Contact power are made from beryllium copper, and metallic parts are plated with bright nickel for corrosion protection. The CI-101 mounts through a single 0.6-inch diameter hole.

Weight:	0.06 lb
Height:	3.33 in
Frequency:	1030–1090 MHz
VSWR:	1.5:1 with return loss 14 dB
Polarization:	Vertical
Radiation pattern:	Equivalent to 1/4 inch wave stub
RF power:	1 Kw
Altitude:	30,000 ft
Finish:	Tin-nickel alloy
Certification:	TSO-C74c, RTCA DO-138

AV-22 TRANSPONDER STUB 1030-1090 MHZ

R A MILLER
EDMO# AV-22
MFR# AV-22



The AV-22 is a stub type transponder antenna utilizing its BNC connector for mounting to the airframe. It is designed to operate at speed up to 350 mph and altitudes up to 50,000 feet.

Weight:	1 oz
Height:	3 in (maximum)
Frequency:	1030–1090 MHz
VSWR:	1.3:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	1 Kw (peak) @ 1% duty cycle
Connector:	BNC (female)
Certification:	TSO-C74c

104-17 TRANSPONDER ADS-B MONOPOLE 978 MHZ

TED MANUFACTURING CORP
EDMO# 104-17
MFR# 104-17



The 104-17 transponder antenna is a mono-pole antenna that has a top loaded sphere which creates a factor of reliability and safety for a shorter antenna. This antenna offers a voltage standing wave ratio of 1.7:1 at 978 MHz when connected with a 50Ω coaxial transmission line. The 104 series antennas feature an omni-directional, vertical-polarize radiation pattern when mounted to the underside of the aircraft.

Frequency:	978 MHz
VSWR:	1.7:1 (978 MHz), 1.2:1 (1090 MHz), 2:1 (1030 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Connector:	BNC (female)
Airspeed:	350 mph
Altitude:	50,000 ft
Mounting:	One-hole mounting

104-12 TRANSPONDER STUB 1030-1090 MHZ

TED MANUFACTURING CORP
EDMO# 104-12
MFR# 104-12



The 104-12 transponder antenna is a mono-pole antenna that has a top loaded sphere which creates a factor of reliability and safety for a shorter antenna. This antenna offers a voltage standing wave ratio of 1.2:1 at 1,090 MHz and less than 2:1 at 1,030 MHz when connected with a 50Ω coaxial transmission line. The 104 series antennas feature an omni-directional, vertical-polarize radiation pattern when mounted to the underside of the aircraft.

Frequency:	1030–1090 MHz
VSWR:	1.2:1 @ 1090 MHz, 2:1 @ 1030 MHz
Polarization:	Vertical
Radiation pattern:	Omni-directional
Connector:	BNC (female)
Airspeed:	350 mph
Altitude:	50,000 ft
Mounting:	One-hole mounting

TA12 ROD TRANSPONDER ANTENNA

TRIG AVIONICS LIMITED
EDMO# 02450-00
MFR# 02450-00



The TA12 certified transponder antenna features a lightweight and compact rod design optimized to pre-form with Trig transponders. This transponder antenna is ideal for general aviation and high performance aircraft up to 350 mph and 50,000 feet. Simple installation requires only a small hole in the aircraft surface and includes an installation kit, installation guide, and FAA 8130 certification.

- Certified to FAA TSO C74c
- Lightweight & discreet design

Weight:	1 oz
Frequency Range:	1,030 MHz — 1,090 MHz
Impedance:	50Ω, nominal
VSWR	1.3:1, maximum
Polarization:	Vertical
Pattern:	Omni-direction
Connector	BNC (female)

TA14 TRANSPONDER DME ANTENNA

TRIG AVIONICS LIMITED
EDMO# 02449-00
MFR# 02449-00



The TA14 certified DME transponder antenna is designed for optimum performance with any Trig transponder and maybe used in conventional general aviation and high performance aircraft up to 350 mph and 50,000 feet. This Trig transponder antenna features a streamlined design with longer mounting screws for greater mounting flexibility — suitable for both metal and composite aircraft skins.

- Designed to work with Trig transponders
- Ideal for most general aviation aircraft, including high performing, up to 350 mph and 50,000 feet
- Certified to FAA TSO C66c & TSO C74c
- Flexible mounting options
- TA14 antenna may also be used for DME applications
- Includes installation kit

Weight:	0.2 lb
Height:	3.4 in
Frequency Response:	960 MHz — 1,220 MHz
Impedance:	50Ω
VSWR:	1.5:1, maximum
Polarization:	Vertical
Pattern:	Omni-direction
Connector:	BNC (female)

MARKER BEACON ANTENNAS

CI 165-1 DUAL MARKER BEACON / 74 MHZ

COMANT
EDMO# CI-165-1
MFR# CI 165-1

The CI 165-1 is a lightweight, flush mount antenna that provides dual marker beacon signal outputs at the antenna to eliminate the need for a separate marker beacon splitter. Housed in an aluminum cover with a glass laminate cover, internal components are potted in place insuring mechanical integrity. The CI 165 is design for flat surface mounting on most aircraft including business jets.

Weight:	1 lb
Height:	Flush mount
Frequency:	74 MHz ± 0.15 MHz
VSWR:	1.5:1 @ 75 MHz, 5.0:1 @ 75 MHz ± 0.15 MHz
Polarization:	Horizontal
RF power:	Receive only
Isolation between ports:	20 dB
Altitude:	45.000 ft
Connector:	BNC (two ports)
Mounting:	Sixteen-hole mounting
Material:	Aluminum housing glass laminate cover
Finish:	White Polyurethane Enamel
Certification:	TSO-C35d

CI 118-10 MARKER BEACON / 75 MHZ

COMANT
EDMO# CI-118-10
MFR# CI 118-10



The CI 118-10 marker beacon is identical to the CI 118 except it has a four-hole through mount configuration. This model has been tested to tough DO-160D environmental standards. DC grounded to minimize accumulation of precipitation static.

Weight:	0.8 lb
Height:	2.9 in
Frequency:	75 MHz
VSWR:	1.7:1
Polarization:	Parallel to the mounting plane
Radiation pattern:	Primarily downward
RF power:	Receive only
Connector:	BNC (female)
Mounting:	Four-hole external
Material:	Molded radome
Finish:	White polyurethane paint
Certification:	TSO-C35d, class A, RTCA DO-138

CI 118-9 MARKER BEACON / 75 MHZ

COMANT
EDMO# CI-118-9
MFR# CI 118-9



CI 118-9 marker beacon is identical to the CI 118 except the mounting configuration allows for "drop-in" replacement to the Honeywell Bendix-King KA 26 marker beacon. This design by Comant has been test to the tough DO-160D environment standards. DC grounded to minimize accumulation of precipitation static.

Weight:	0.65 lb
Height:	2.69 in
Frequency:	75 MHz
VSWR:	1.5:1
Polarization:	Parallel to mounting plane
Radiation pattern:	Primarily downward
Altitude:	45,000 ft
Mounting:	Two-hole internal
Material:	Molded rigid foam
Finish:	Polyurethane enamel
Certification:	TSO-C35d, class A, RTCA DO-160D

CI 118-1 MARKER BEACON / 75 MHZ

COMANT
EDMO# CI-118-1
MFR# CI 118-1



The CI 118-1 marker beacon is a low-drag alternative to the popular CI-102's "boat style" marker beacon antenna. The CI 118-1 is approved for medium to high performance single, turbo-prop, or jet aircraft and provides simple external mounting. DC grounded to minimize accumulation of precipitation static.

Weight:	0.5 lb
Hight:	2.4 in
Frequency:	74 MHz
VSWR:	1.5:1
Polarization:	Parallel to mounting plane
Radiation pattern:	Primarily downward
RF power:	Receive only
Altitude:	45,000 ft
Connector:	BNC
Mounting:	Four-hole external
Finish:	Polyurethane enamel
Certification:	TSO-C35d, class A, RTCA DO-138

CI 118 MARKER BEACON / 75 MHZ

COMANT
EDMO# CI-118
MFR# CI 118



The CI 118 marker beacon is designed specifically for high performing aircraft applications. It features an aerodynamic design in a lightweight package and is a low-profile blade-type encapsulated in a molded polyurethane shell.

Weight:	0.5 lb
Height:	2-11/16 in
Frequency:	75 MHz
VSWR:	Parallel to mounting plane
Radiation pattern:	Primarily downward
RF power:	Receive only
Altitude:	45,000 ft
Connector:	BNC
Mounting:	Three-hole internal
Finish:	Polyurethane enamel
Certification:	TSO-C35d, class A RTCA DO-138

CI 102 MARKER BEACON / 75 MHZ

COMANT
EDMO# CI-102
MFR# CI 102



The CI 102 marker beacon antenna is designed for use with modern, high sensitivity marker beacon receivers. Small and lightweight, this marker beacon features 4-hole internal mounting for simple installation. The antenna assembly is enclosed in an injection molded radome which is impervious to the tough environments typical of the underside of an aircraft. DC grounded to minimize accumulation of precipitation static.

Weight:	0.6 oz
Height:	2.15 in
Frequency:	75 MHz
VSWR:	1.5:1
Polarization:	Parallel to mounting plane
Radiation pattern:	E-Field parallel with flight direction
RF power:	Receive only
Connector:	BNC (female)
Mounting:	Four-hole internal
Finish:	Valox polyester
Certification:	TSO-C35d, class A, RTCA DO-138, RTCA DO-143, RTCA DO-160

AT-640A/ARN VHF MARKER BEACON

R A MILLER
EDMO# AT-640
MFR# AT-640A/ARN



The AT-640A/ARN Antenna is a receive-only VHF Marker Beacon antenna used on both fixed-wing and rotary-wing aircraft. The antenna meets the requirements of Military Specification MIL-A-5999 for electrical and environmental performance. Finished with a white Skydrol resistant polyurethane paint in accordance with Military Specification MIL-C-81773.

Weight:	1 lb
Frequency:	75 Hz
VSWR:	1.5:1 max
RF power:	Receive only
Connector:	C female

AV-569 MARKER BEACON / 75 MHZ

R A MILLER
EDMO# AV-569
MFR# AV-569



The AV-569 is a boat type marker beacon antenna designed for very low drag. It is constructed of an acrylonitrile-styrene-acrylic (ASA) shell with the internal parts encapsulated in rigid urethane foam for mechanical and electrical stability. It is supplied with cellular neoprene mounting pad and hardware.

Weight:	6.25 oz
Height:	2.2 in
Frequency:	75 MHz
VSWR:	1.6:1
RF power:	Receive only
Connector:	BNC (female)
Mounting:	Two-hole internal
Certification:	TSO-C35d

AV-64 MARKER BEACON / 75 MHZ

R A MILLER
EDMO# AV-64
MFR# AV-64

The AV-64 is a boat type marker beacon antenna designed for very low drag. It is constructed of an acrylonitrite-styrene-acrylic (ASA) shell with the internal parts encapsulated in rigid urethane foam for mechanical and electrical stability. The antenna is supplied with cellular neoprene mounting pad and hardware.

- Direct replacement for Comant's model CI-102

Weight:	6.25 oz
Height:	2.2 in
Frequency:	75 Hz
VSWR:	1.4:1
RF power:	Receive only
Connector:	BNC (female)
Mounting:	Four-hole mounting pattern
Certification:	TSO-C35d

N43 SERIES MARKER BEACON / 74.75-75.25 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM N43-1
MFR# N43-1



The N43 series are low silhouette antennas for use with 75 MHz marker beacon receivers. When properly mounted on the underside of an aircraft, the antennas provide a broad, single-lobed pattern directed downward. The radiation is polarized parallel to the long dimension of the antenna. Electrical elements of the antenna are completely sealed by foamed, in-place resin within a plastic housing. As a result, the DM N43 is rugged enough for use on all subsonic aircraft.

Weight:	1 lb
Frequency:	74.75–75.25 MHz
VSWR:	< 5:1, < 2:1 @ 75 MHz
Polarization:	Horizontal

*continued on next page

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Radiation pattern:	Hemispherical
RF power:	Receive only
Gain:	-10 dB
Drag:	< 0.5 lb (sea level @ 250 mph)
Connector:	BNC (female)
Mounting:	Six-hole mounting pattern
Finish:	White
Certification:	TSO-C35c, RTCA DO-138 (JAJ XXX)

N27 SERIES MARKER BEACON 74.75-75.25 MHZ

HARRIS CORP. (D&M EDO)



The N27 series marker beacon antennas are rugged, lightweight antennas for the reception of 75 MHz marker beacon signals.

These low-drag antennas are designed for simple external mounting and require no cutting of airframe structural members. The largest hole required in the skin is for the connector. Moisture proofing is assured by the dielectric foam filled, white polyester-fiberglass radomes. These skydrol resistant housings are fitted with metal leading edges for erosion protection. The DM N27 antennas are designed to meet the performance specifications of antennas AT-134 and AT-536.

Weight:	10 oz
Frequency:	74.75–75.25 MHz
VSWR:	< 1.5:1 @ 75 MHz, < 5.0:1 (74.75–75.25 MHz)
Polarization:	Horizontal
RF power:	Receive only
Gain:	-9 dB
Connector:	BNC (female): N27-3
Mounting:	Six-hole mounting pattern
Material:	Dielectric foam-filled fiberglass housing with metal leading
Certification:	TSO-C35c, RTCA DO-108 (ABAAAAX)
Military:	Qualified to MIL-T-5422E

EDMO#	MFR#	CONNECTOR TYPE
DM N27-1/A	N27-1/A	TNC connection
DM N27-2	N27-2	C connection
DM N27-3	DM N27-3	BNC connection

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GLIDE SLOPE ANTENNAS

CI 193 GLIDE SLOPE / 329-335 MHZ

COMANT
EDMO# CI-193
MFR# CI 193



The CI 193 is a half wave dipole antenna designed interior mounting for GS reception. The Integral ferrite balun can result in improved performance when propeller modulated is a problem.

Weight:	0.15 lb
Height:	1.5 lb
Frequency:	329–335 MHz (GS)
VSWR:	2.5:1 (GS)
Polarization:	Horizontal
Radiation Pattern:	Dipole
RF power:	Receive only
Gain:	2.0 dB, nominal
Connector:	BNC
Mounting:	Two-hole mounting pattern
Material:	Delrin housing / brass radiators
Finish:	Black/Nickel
Certification:	TSO-C34c, RTCA DO-192, RTCA DO-160

N25 SERIES GLIDE SLOPE / 329-335 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM N25-1
MFR# N25-1



The N25 series of glide slope antenna use a grounded, center-fed loop as the radiating element, which produces the radiation patterns. This antenna is a dual connector that incorporates a hybrid; its circuitry effectively isolates the two associated receiving systems providing protection against disablement of both systems in the event of failure in one system. The radiation pattern associated with each DM N25-2 antenna port is identical, so that no coupler dropout problem occurs during automatic landing. All DM N25 series antennas provide complete lightening protection for the associated receivers. They are suitable for mounting either externally or within a nose radome.

Weight:	8 oz (N25-1) 14 oz (n25-2)
Frequency:	329–335.3 MHz
VSWR:	5:1 (N25-1) 3:1 (N25-2)
Polarization:	Horizontal
RF power:	Receive only
Gain:	0 dB
Material:	Aluminum with dielectric sealed feed
Certification:	TSO-C34b
Military:	Qualified for vibration, humidity, temperature, altitude, shock, and salt spray per MIL-T-5422E

EDMO#	MFR#	CONNECTOR
DM N25-1	N25-1	TNC (female)
DM N25-2	N25-2	C (female)

GPS, XM & IRIDIUM ANTENNAS

CI 420-221 STANDALONE GPS / 1575.42 MHZ

COMANT
EDMO# CI-420-221
MFR# CI 420-221



The CI 420-221 is a standalone GPS antenna that matches popular the tear-drop footprint found on many general aviation aircraft and business jets. This antenna meets RTCA DO 160D Environmental test standards including direct effects lightening, and it is designed to operate with Garmin 17.0 dB panel mount receivers.

Weight:	4.2 oz
Frequency:	1575.42 MHz ± 3 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation pattern:	Hemispherical
Gain:	17 dB @ 1575.42 MHz
DC voltage:	4–24 VDC
DC current:	20 mA, maximum
Noise figure:	3.8 dB, maximum
Selectivity:	-35 dB (minimum) @ Satcom 1626.5 MHz
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C144, RTCA DO-160D

CI 420-220 STANDALONE GPS /1575.42 MHZ

COMANT
EDMO# CI-420-220
MFR# CI 420-220



The CI 420-220 is a standalone GPS antenna that matches popular the tear-drop footprint found on many general aviation aircraft and business jets. This antenna meets RTCA DO 160D Environmental test standards including direct effects lightening, and it is designed to operate with 26.5 dB panel mount GPS receivers. Also, it is certified for GPS and GPS WAAS Class Gamma 1 equipment and not compliant for GPS WAAS Class Gamma 2 and 3 applications.

Weight:	4.2 oz
Frequency:	1575.42 MHz ± 3 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation pattern:	Hemispherical
Gain:	27.0–35.5 dB @ 1575.42 MHz
DC voltage:	4–24 VDC
DC current:	25 mA to 40 mA
Noise figure:	3.8 dB, maximum
Selectivity:	-35 dB (minimum) @ Satcom 1626.5 MHz
Finish:	Gloss white
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Certification:	TSO-C144, RTCA DO-160D

CI 408-20 STANDALONE GPS / 1575.42 MHZ

COMANT
EDMO# CI-408-20
MFR# CI 408-20



The CI 408-20 is a standalone GPS antenna that matches the popular circular footprint found on many general aviation and business jets. This antenna meets the RTCA DO 160D Environmental test standards including direct effects lightening. The CI 408-20 is designed to operate with 26.5 dB panel mount GPS receivers. Also, it is certified for GPS and GPS WAAS Class Gamma 1 equipment and not compliant for GPS WAAS Class Gamma 2 and 3 applications.

Weight:	6.2 oz
Frequency:	1616–1626.5 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation pattern:	Hemispherical
RF power:	6.5 watts (average) TX
Gain:	+3 dBic @ zenith
Lightening protection:	DC grounded
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C159a, RTCA DO-160G

CI 401-221 STANDALONE GPS / 1575.42 MHZ

COMANT
EDMO# CI-401-221
MFR# CI 401-221



The CI 401-221 is a standalone GPS antenna that matches the standard ARINC 743A footprint found on many twin and business jets. This antenna meets the RTCA DO 160D Environmental test standard including direct effect lightning. The CI 401-221 is designed operate with Garmin 17.0 dB gain panel mount GPS receivers.

Weight:	6.2 oz
Frequency:	1575.42 MHz ± 3 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation pattern:	Hemispherical
Gain:	17 dB ± 3 dB
DC voltage:	4–24 VDC
DC current:	40 mA (maximum)
Noise figure:	3.8 dB
Selectivity:	-35 dB @ Satcom 1626.5 MHz
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C144, RTCA DO-160D

CI 401-220 STANDALONE GPS / 1575.42 MHZ

COMANT
EDMO# CI-401-220
MFR# CI 401-220



The CI 401-220 is a standalone GPS antenna that matches the standard ARINC 743A footprint found on many twin and business jets. It is designed to operative with 26.5 dB panel mount GPS receivers. This antenna meets the RTCA DO 160D Environmental test standard including direct effect lightning. The CI 401-220 is certified for GPS and GPS WAAS Class Gamma 1 equipment and not compliant for GPS WAAS Class Gamma 2 and 3 applications.

Weight:	6.2 oz
Frequency:	1575.42 MHz ± 3 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation pattern:	Hemispherical
Gain:	25.5 DB to 31.5 dB
DC voltage:	4–24 VDC
DC current:	25 mA (typical) / 40 mA (maximum)
Noise figure:	3.8 dB
Selectivity:	-40 dB @ Satcom 1626.5 MHz
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Glossy white
Certification:	TSO-C144, RTCA DO-160D

TA70 GPS / 1575.42 MHZ

TRIG AVIONICS LIMITED
EDMO# 01740-00
MFR# 01740-00



The TA70 is a fully certified TSO-C190 GPS antenna that meets the FAA requirements for ADS-B compliance and can also be used for other GPS functions. This antenna comes with a simple installation guide and fixing kit which includes a gasket feature that provides coverage of existing antenna holes for a secure and weather-tight seal.

Weight:	0.31 lb
Dimensions:	1.59 x 2.87 x 4.71 in
Frequency:	1575.42 MHz ±10.23 MHz
VSWR:	1.2:1 (typical), 1.5 (maximum)
Gain:	26.5 dB to 30.5 dB
DC power requirement:	4.5 VDC to 14.5 VDC
Current consumption:	40 mA, typical / 60 mA, max
Mounting:	Four-hole mounting pattern
Certification:	TSO-C190, RTCA DO-301, RTCA DO-160G

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TA50 COMPACT GPS ANTENNA

TRIG AVIONICS LIMITED



The TA50 Compact GPS Antenna is perfect for gliders and light sport aircraft with limited space and mounting options. This GPS antenna is compact and easy to stow, and it is designed to provide trouble-free operation when used with a TN72 GPS position source. Adding the TA50 to a TN72 is a cost-effective way to make a Trig Mode S transponder into an ADS-B Out solution for improved visibility and safety.

- Optimized to be used as a GPS position source
- Lightweight and easy plug-in-play installation
- Weatherproof

Dimensions:	23 x 26 x 12 mm (without cable)
Frequency:	1,575.75 MHz
Antenna Gain:	>1 dBiC
VSWR:	1.5:1
Gain:	26 dB
DC Power Requirements:	3 VDC — 5 VDC

EDMO#	MFR#	CONNECTOR	CABLE
02365-00	02365-00	SMA	3m
02172-00	02172-00	QMA	3m
02171-00	02171-00	QMA	1m

TN72 GPS RECEIVER

TRIG AVIONICS LIMITED
EDMO# 01685-00
MFR# 01685-00-01



The TN72 GPS Receiver is a lightweight and practical position source for adding ADS-B Out capabilities to Trig transponders. By adding GPS information to the transponder output, the aircraft's precise GNSS location is transmitted to other ADS-B equipped aircraft — improving electronic visibility and safety. The TN72 GPS receiver and TA70 WAAS GPS Antenna (sold separately) present the perfect solution for pilots of gliders to GA aircraft that fly in non-mandatory airspace, or where ADS-B equipage is voluntary, and who don't require the more expensive TSO-C145 technology.

Weighing only 3.8 ounces, the TN72 is lightweight, energy efficient and easy to install. It can be fixed away from the panel to save space and creates no disruption to other avionics. It meets the FAA's TSO-C199 certification standard for a Traffic Awareness Beacon System (TABS).

- GPS receiver certified to the FAA's TSO-C199 certification standard for a Traffic Awareness Beacon System (TABS)
- ADS-B Out positional data enhances visibility and safety
- Collision avoidance (uses nonzero quality indicators)
- Enables live tracking of aircraft
- Requires suitable GPS antenna (sold separately)

Weight:	3.8 oz
Dimensions:	1.2 x 3.6 x 2.5 in
Supply voltage:	11–33 VDC
Typical consumption:	-0.1A @ 14V
Temperature range:	-40°C to 70°C
Cooling requirement:	No fan required

Connector:	GPS (power, ground and GPS data): 9-way D-type Antenna: 5V phantom power, QMA male
Certification:	TSO-C199 Class B, RTCA DO-160G

TN70 WAAS GPS RECEIVER & ANTENNA KIT

TRIG AVIONICS LIMITED
EDMO# 01381-00
MFR# 01381-00



The TN70 WAAS GPS Receiver and Antenna kit is a lightweight solution for adding ADS-B Out and compliant WAAS GPS capability to an existing ADS-B installation. The included WAAS GPS certified antenna (TA70) is designed to deliver excellent ADS-B Out performance. Because installation does not require space on the panel, the TN70 can be installed as a discrete GPS unit leaving the existing panel equipment as is.

- Includes WAAS GPS receiver and the Trig TA70 antenna
- Lightweight and easy to install with no panel space
- Compatible with Trig transponders

Weight:	1.06 lb
Dimensions:	1.6 x 4.13 x 6.5 in
Supply voltage:	9–32 VDC
Typical consumption (14V):	0.2A @ 14V (typical), 0.3A @ 14V (max)
Altitude:	110,000 ft
Temperature range:	-55°C to 70°C
Cooling requirement:	No fan required
Certification:	TSO-C145c, Beta 1 Receive, RTCA DO-229D, RTCA DO-178B level C, RTCA DO-160F

CI 429-200 WAAS GPS / 1575.42 MHZ

COMANT
EDMO# CI-429-200
MFR# CI 429-200



The CI 429-200 is a FAA TSO qualified GPS antenna under C190 WAAS requirements. It matches the popular ARINC 743A footprint found on most aircraft and business jets. This WAAS GPS antenna will operate with any DO-301 qualified WAAS GPS system providing full Gamma 2 & 3 and LPV capabilities. The CI 429-200 is manufactured with a Skydrol resistant resistant radome and nickel-plated, aluminum base plate and comes standard with a nitrile O-ring for positive seal against the aircraft skin.

Weight:	7.73 oz
Frequency:	1575.42 MHz ± 10.23 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation pattern:	Omni-directional
Gain:	26.5–32.5 dB @ 1575.42 MHz
DC voltage:	4–24 VDC
DC current:	40 mA (typical) / 60 mA (maximum)
Noise figure:	2.5 dB (maximum)
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C190, RTCA DO-160E

CI 428-200 WAAS GPS / 1575.32 MHZ

COMANT
EDMO# CI-428-200
MFR# CI 428-200



The CI 428-200 WAAS GPS antenna is specifically designed to meet the WAAS GPS Gamma 3 specifications required by the Garmin G1000 system and matches the standard ARINC footprint found on many twin engine and business jets. It meets the RTCA DO 160D operating standards including direct effects lighting. Gamma 3 WAAS allows for primary navigation using GPS for all phases of flight including precision LPV approaches.

Weight:	6.2 oz
Frequency:	1575.32 MHz ± 3 MHz
Polarization:	RHCP
Radiation pattern:	Hemispherical
Gain:	26.5–30.1 dB @ 1575.42 MHz
DC voltage:	4–24 VDC
DC current:	40 mA (typical) / 60 mA (maximum)
Noise figure:	2.5 dB (maximum)
Selectivity:	-50 dB (minimun) @ Satcom 1626.5 MHz
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C144, RTCA DO-160D

CI 419-200 WAAS GPS / 1575.42 MHZ

COMANT
EDMO# CI-419-200
MFR# CI 419-200



The CI 419-200 is a FAA C190 compliant WAAS GPS antenna that matches the popular tear-drop footprint on most aircraft and business jets. This WAAS GPS will operate with any qualified DO-301 GPS system. Also, this antenna is certified for FAA TSO C190 for GPS WAAS Class Gamma 2 and 3 applications and LPV. The CI 419-200 is designed to operate with 26.5 dB panel mount GPS receivers.

Weight:	5.0 oz
Frequency:	1575.42 MHz ± 10.23 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation pattern:	Hemispherical
Gain:	26.5–32.5 dB @ 1575.42 MHz
DC voltage:	4–24 VDC
DC current:	40 mA (typical) / 60 mA (maximum)
Noise figure:	2.5 dB
G/T ratio @ (5 in elevation):	≥ 31.6 dBK
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C190, RTCA DO-160E

AV-801 WAAS GPS / 1575.42 MHZ

R A MILLER
EDMO# AV-801
MFR# AV-801



The AV-801 WAAS GPS antenna is designed specifically to meet FAA TSO-C190 specifications. Qualification testing includes meeting the requirements of RTCA DO-301 and DO-160G. The AV-801 fit and function matches the ARINC 743A standard footprint found on many general aviation aircraft and including business jets.

Weight:	5 oz
Frequency:	1575.42 MHz ± 10.23 MHz
VSWR:	1.5:1
Polarization:	Hemispherical
Gain:	26.5 dB to 30.5 dB
DC voltage:	4.5 VDC to 14.5 VDC
DC current:	40 mA (typical) / 60 mA (maximum)
Noise figure:	2.5 dB (maximum)
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Certification:	TSO-C190

CI 428-410 GPS/XM / 1575.32 MHZ & 2332.5-2345 MHZ

COMANT
EDMO# CI-428-410
MFR# CI 428-410



The CI 428-410 is a multifunction GPS and XM weather antenna designed specifically to meet the WAAS GPS Gamma 3 specifications required by the Garmin G1000 system. Enables primary navigation using WAAS GPS, including terminal navigation and approach to landing. XM weather antenna is designed for low gain systems such as the Garmin GDL-69/69A or as Heads Up systems with shorter coax runs. Confirms to the popular ARINC footprint, standard on many twin turboprops and business jets.

Weight:	6.5 oz
Frequency:	1575.42 MHz ± 3 MHz (GPS) 2332.5–2345 MHz (XM weather)
Radiation pattern:	Hemispherical
Gain:	26.5–30.1 dB (GPS) 25 dB ± 2 dB (XM weather)
DC voltage:	4–24 VDC (GPS) 3.6–24 VDC (XM weather)
DC current:	40–60 mA (GPS) 35–55 mA (XM weather)
Noise figure:	2.5 dB (GPS) 2.7 dB (XM weather)
Selectivity:	-50 dB (minimum) @ Satcom frequency
Connector:	TNC blue (GPS) TNC red (XM weather)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C144, RTCA DO-160D

CI 401-460 GPS/XM / 1575.32 MHZ & 2332.5-2345 MHZ

COMANT
EDMO# CI-401-460
MFR# CI 401-460



The CI 401-460 is a multifunction GPS and XM Weather antenna designed to be compatible with 26.5 dB gain panel mount GPS receivers. This antenna will match the popular ARINC 743A footprint found on many turbocraft and business jets. The CI 401-460 is certified to FAA TSO C144 for GPS and GPS WAAS class Gamma 1 equipment and not compliant for GPS WAAS class Gamma 2 & 3 applications.

- The CI 401-406 is a replacement for the CI 401-420

Weight:	6.5 oz
Frequency:	1575.42 MHz (GPS) 2332.5 MHz to 2345 MHz (XM weather)
VSWR:	1.5:1
Polarization:	RHCP (GPS) LHCP (XM weather)
Radiation pattern:	Hemispherical
Gain:	27–30.5 dB (GPS) 26–30 dB (XM weather)
DC voltage:	4–24 VDC (GPS) 4–5.5 VDC (XM weather)
DC current:	25 mA (typical) / 40 mA (maximum), (GPS) 25–55 mA (XM weather)
Noise figure:	3.8 dB, maximum (GPS) 2.7 dB, maximum (XM weather)
Connector:	TNC (GPS) TNC (XM weather)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C144, RTCA DO-160D

CI 429-410 WAAS GPS/XM / 1575.32 MHZ & 2332.5-2345 MHZ

COMANT
EDMO# CI-429-410
MFR# CI 429-410



The CI 429-410 is a WAAS GPS/XM antenna that is qualified under TSO C190 WAAS GPS requirement and will operate with any DO-301 qualified WAAS GPS system providing full Gamma 2 & 3 and LPV capabilities. The CI 429-410 is manufactured with a Skydrol resistant radome and nickel-plated, aluminum base plate and comes standard with a nitrile O-ring for positive seal against the aircraft skin.

Weight:	8.5 oz
Frequency:	1575.42 MHz ± 10.23 MHz (GPS) 2332.5–2345 MHz (XM weather)
VSWR:	1.5:1
Polarization:	RHCP (GPS) LHCP (XM weather)
Radiation pattern:	Omni-directional (GPS) Hemispherical (XM weather)
Gain:	26.5–32.5 dB (GPS) 25 dB ± 2 dB (XM weather)
DC voltage:	4–24 VDC (GPS) 3.6–24 VDC (XM weather)
DC current:	40 mA (typical) / 60 mA (maximum), (GPS) 35–55 mA (XM weather)
Noise figure:	2.5 dB, maximum (GPS) 2.7 dB, maximum (XM weather)

Connector:	TNC (blue) for GPS TNC (red) for XM weather
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	TSO-C190, RTCA DO-160D

CI 420-1 XM WEATHER / 2332.5-2345.0 MHZ

COMANT
EDMO# CI-420-1
MFR# CI 420-1



The CI 420-1 is a XM Weather antenna with a SMA connector designed to operate with popular heads up XM weather data systems. This antenna will match the popular tear-drop footprint found on many general aviation aircraft and business jets.

Weight:	4.2 oz
Frequency	2332.5–2345.0 MHz
VSWR:	1.5:1
Polarization:	LHCP
Radiation pattern:	Hemispherical
Gain:	26–30 dB
DC voltage:	4.7 VDC (typical) / 5.5 VDC (maximum)
DC current:	45 mA (typical) / 55 mA (maximum)
Noise figure:	1.1 dB (typical)
Connector:	SMA (female)
Mounting:	Four-hole mount pattern
Finish:	Gloss white
Certification:	PMA, RTCA DO-160D

CI 420-10 COMDAT XM WEATHER 2332.5-2345.0 MHZ

COMANT
EDMO# CI-420-10
MFR# CI 420-10



The CI 420-10 ComDat XM Weather antenna is designed for the Garmin GDL 69/69A receivers and Heads Up Technologies (HUT) receivers that use shorter coax cable runs. This antenna will match the popular tear-drop footprint found on many general aviation aircraft and business jets.

Weight:	4.2 oz
Frequency:	2332.5–2345 MHz
VSWR:	1.5:1
Polarization:	LHCP
Radiation pattern:	Hemispherical
Gain:	25 dB ± 2 dB
DC voltage:	3.6–24 VDC
DC current:	35–55 mA
Noise figure:	2.7 dB, maximum
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	RTCA DO-160D

CI 420-16 COMDAT XM WEATHER 2332.5-2345.0 MHZ

COMANT
EDMO# CI-420-16
MFR# CI 420-16



The CI 420-16 ComDat high-gain, XM Weather antenna is designed for Head Up Technologies (HUT) receivers with longer coax cable runs. This antenna will match the popular tear-drop footprint found on many general aviation aircraft and business jets.

Weight:	4.2 oz
Frequency:	2333.5–2345 MHz
VSWR:	1.5
Polarization:	LHCP
Radiation pattern:	Hemispherical
Gain:	26–30 dB
DC voltage:	4–5.5 VDC
DC current:	25–55 mA
Noise figure:	2.7 dB
Connector:	TNC (female)
Mounting:	Four-hole mounting pattern
Finish:	Gloss white
Certification:	RTCA DO-160D

CI 490-490 SINGLE CHANNEL IRIDIUM SATCOM / 1616-1626.5 MHZ

COMANT
EDMO# CI-490-490
MFR# CI 490-490



The CI 490-490 narrow band, Iridium SATCOM antenna meets the FAA TSO standard C159a and is specifically designed for Iridium systems. This antenna will match the popular round-format footprint found on most aircraft and business jets. Through a constellation of 66 low-earth orbiting (LEO) satellites, Iridium™ delivers essential communications services to and from areas where terrestrial communication are not available. The CI 490-490 is ideal for airborne Iridium based telephony email, asset tracking or safety services.

Weight:	5 oz
Frequency:	1616–1626.5 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation Pattern:	Hemispherical
Power handling / TX:	6.5 watts, average
Lighting protection:	DC grounded
Gain:	+3 dBic @ zenith
Connector:	TNC (female)
Mounting:	Four-hole mount pattern
Finish:	Gloss white
Certification:	TSO-C159a, RTCA DO-160G

CI 420-490 SINGLE CHANNEL IRIDIUM SATCOM / 1616-1626.5 MHZ

COMANT
EDMO# CI-420-490
MFR# CI 420-490



The CI 420-490 narrow band, Iridium SATCOM antenna meets the FAA TSO standard C159a and is specifically designed for Iridium systems. This antenna will match the popular tear-drop footprint found on most aircraft and business jets. Through a constellation of 66 low-earth orbiting (LEO) satellites, Iridium™ delivers essential communications services to and from areas where terrestrial communication are not available.

Weight:	5 oz
Frequency:	1616–1626.5 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation Pattern:	Hemispherical
Power handling / TX:	6.5 watts, average
Lighting protection:	DC grounded
Gain:	+3 dBic @ zenith
Connector:	TNC (female)
Mounting:	Four-hole mount pattern
Finish:	Gloss white
Certification:	TSO-C159a, RTCA DO-160G

CI 401-490 SINGLE CHANNEL IRIDIUM SATCOM / 1616-1626.5 MHZ

COMANT
EDMO# CI-401-490
MFR# CI 401-490



The CI 401-490 narrow band, Iridium SATCOM antenna meets the FAA TSO standard C159a and is specifically designed for Iridium systems. This antenna will match the popular ARINC 743A footprint found on most aircraft and business jets. Through a constellation of 66 low-earth orbiting (LEO) satellites, Iridium™ delivers essential communications services to and from areas where terrestrial communication are not available. The CI 401-490 is ideal for airborne Iridium based telephony email, asset tracking or safety services.

Weight:	6.2 oz
Frequency:	1616–1626.5 MHz
VSWR:	1.5:1
Polarization:	RHCP
Radiation Pattern:	Hemispherical
Power handling / TX:	6.5 watts, average
Lighting protection:	DC grounded
Gain:	+3 dBic @ zenith
Connector:	TNC (female)
Mounting:	Four-hole mount pattern
Finish:	Gloss white
Certification:	TSO-C159a, RTCA DO-160G

IRIDIUM L1 GPS / 1562.42-1588.42 MHZ

COMANT
EDMO# S5GIR1516R
MFR# S5GIR1516RR-A27P-XTT-1



This active L1 GPS antenna is designed for land/mobile and airborne applications. It will also work with both voice and data communication systems. This TSO approved antenna provides excellent coverage for 1,616 MHz to 1,626.5 MHz frequency range and L1 GPS 1,575.42 MHz with or without ground plane. This L1 GPS antenna has a TNC connector and colored white.

Weight:	7.84 oz (222 g)
Dimensions:	5.03 x 2.08 x 0.721 in (55.88 x 127 x 18.31 mm)
L1 GPS Frequency:	1562.42–1588.42 MHz
L1 GPS VSWR:	1.5:1
L1 GPS Polarization:	RHCP
L1 GPS Gain:	+4.6 dB
L1 GPS Axial Ratio	2.0 dB
Iridium Frequency:	1616.0–1626.5 MHz
Iridium VSWR:	1.5:1
Iridium Gain:	+5.0 dB
Iridium Axial Ratio:	2.0 dB
DC Supply:	2.8–28 VDC

20-41 SERIES ACTIVE GPS / 1227.60 MHZ & 1575.42 MHZ

COMANT
EDMO# 20-4110P79
MFR# 20-41-10P79



The 20-41 Series of active GPS (Global Positioning Satellite Systems) antennas, with integrated Antenna Electronics (AE), are designed to operate in the GPS L1 and L2 bands. The antenna element operates with nominal hemispherical coverage to allow reception of signals from a number of satellites. It consists of a dual micro strip stacked patch radiating element fed by a 90-degree hybrid arrangement giving Right Hand Circular Polarization (RHCP) reception, excellent symmetry and cross-polar performance across the whole bandwidth.

Weight:	0.21 KG
Height:	0.84 in.
Diameter:	3.5 in.
Frequency:	L1: 1575.42 MHz ± 10.23 MHz L2: 1227.60 MHz ± 10.23 MHz
VSWR:	1.5:1 Maximum2.0:1 (≥ 9.5 dB)
Polarization:	RHCP
Primary power:	4.5 V to 12.5 V
Connector:	TNC

AT-434A COMBINED LOOP/SENSE ADF 190-2183 KHZ

CHELTON
EDMO# 071-134800
MFR# 071-01348-0000-00

The AT-434A is a Series III combined loop/sense antenna DF-431B ADF. Streamlined in shape, with a low profile and designed to be top or bottom mounted. HF frequency immunity and HIRF protection available.

Weight:	5.4 lb
Dimensions:	6.77 x 2.95 x 13.86 in
Frequency:	190–2183 kHz
Altitude:	55,000 feet
Color:	Black

L10-806 IRIDIUM/GPS BLADE ANTENNA

DAYTON GRANGER
EDMO# L10-806
MFR# L10-806



The L10-806 Iridium/GPS antenna is a dual-function, dual-connector, short blade that provides excellent coverage in both the Iridium and GPS-L1 bands. The integrated LNA for the GPS band offers a low noise figure and high gain. Additional filtering yields an effective out-of-band rejection and reduces the risk of saturation by interfering signals.

- DC grounding and lighting protection ensure the antenna's operation in intended flight condition

Weight:	1.2 lb
Height:	3.084 in
Application:	Navigation
Frequency Response:	1616 MHz — 1626.5 MHz, 1575.42 MHz
Polarization:	RHC
Impedance:	50Ω
Connector:	TNC
Color:	White
Speed Rating:	600 knots

RADAR ALTIMETER ANTENNAS

AV-601 RADAR / 4200-4400 MHZ

R A MILLER
EDMO# AV-601
MFR# AV-601



The AV-601 radar antenna is specifically designed to meet FAA TSO-C87a specifications for airborne low range radar altitude applications. Qualification testing includes meeting the requirements of EUROCAE ED-30, Edition 2, "Minimum Performance Standards for Airborne Low Range Radar Altimeter Equipment", as modified by Appendix 1 of the TSO.

Weight:	0.25 lb
Height:	0.14 in
Frequency:	4200–4400 MHz
VSWR:	≤ 1.5:1 (4275–4325 MHz), ≤ 2.3:1 (4200–4400 MHz)
Polarization:	Linear
Radiation pattern:	Roll plane(E): 45° min.
RF Power:	5 watts (average) / 500 watts (maximum)
Gain:	9.5 dBi
Beam widths:	Pitch plane (H): 40° min.
Side lobe level:	-40 dB
Lightening protection:	DC ground
Connector:	TNC (female)
Finish:	Skydrol-resistant polyurethane enamel
Certification:	TSO-C87a

PN19-1-1 MICROSTRIP / 4200-4400 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DMPN19-1-1
MFR# PN19-1-1



The PN19-1-1 uses micro strip technology to provide an extremely low-profile antenna. This fully functional antenna was developed to be a high quality, low-cost, lightweight, and near conformal antenna. The dielectric insert and radiating elements are recessed into a complete four-sided metal housing. This design feature protects the dielectric surface from the airstream for increased erosion protection in addition to preventing water intrusion and delamination.

Weight:	5 oz
Height:	2.75 in
Frequency:	4200–4400 MHz
VSWR:	<2.0:1 (4200–4400 MHz) <1.8:1 (4275–4325 MHz)
Altitude:	1,000 ft to 70,000 ft
Connector:	TNC (female)
Material:	Metal
Certification:	TSO-C87

BROADBEAMED HORN RADAR 4200-4400 MHZ

HARRIS CORP. (D&M EDO)



The Broadbeamed horn radars are dielectric foam filled, lightweight, flush, broad-beamed horn type radar antenna. By controlling side lobes and reducing surface currents, the antennas provide very high isolation, which exceeds 85 dB at a center-to-center separation of only 20", when used in pairs.

EDMO#	MFR#	DESCRIPTION
DM PN3-3/A	PN3-3/3A	TNC connector
DM PN3-12A	DM PN3-12/A	–

ELT ANTENNAS

AV-300 ROD ANTENNA

R A MILLER
EDMO#
MFR#



The AV-300 ELT antenna is intended for use with a 406 MHz ELT (Emergency Locator Transmitter) for General Aviation. It is a passive three frequency fiberglass rod whip antenna, designed for low-speed aircraft (up to 350 knots). It has met DO-160G, Section 8, Category U requirements for robust vibration, and is qualified for installation on helicopters with unknown rotor frequencies.

- Frequency coverage 121.5, 243, and 406 MHz
- May be installed general aviation aircraft and helicopter up to 350 knots

Weight:	9 oz
Height:	14 in
Frequency:	121.5 MHz, 243 MHz, & 406 MHz
Impedance:	50Ω
VSWR:	121.5 MHz & 243 MHz: 2:1, max. 406 MHz: 1.5:1, max.
Polarization:	Vertical
Pattern:	omni-directional
Connector:	BNC (female)
Approvals:	TSO C126a

EDMO#	MFR#	DESCRIPTION
AV-300	AV-300	AV-300 ELT Rod Antenna
INSTALLATION KIT		
AV-KB3	AV-KB3	Hardware Installation kit

AV-401 ROD/WHIP ANTENNA

R A MILLER
EDMO# AV-401
MFR# AV-401



The AV-401 is a passive, three-frequency fiberglass rod whip antenna for use with general aviation ELTs. This antenna is designed for use on low-speed aircraft flying at speeds up to 350 knots.

- Frequency coverage 121.5, 243, and 406 MHz
- May be installed general aviation aircraft and helicopter up to 350 knots

Weight:	0.36 lb
Application:	Airborne ELT
Frequency:	121.5 MHz, 243 MHz, 406 MHz
Impedance:	50Ω
VSWR:	2.0:1 Max at 121.5 MHz, 2.5:1 Max at 243 MHz and 1.5:1 Max at 406 MHz
Polarization:	Vertical
Pattern:	Omni-directional
Connector:	BNC (female)

TRI-BAND ELT ROD ANTENNA / 121.5, 243, 406MHZ

ACR/ARTEX
EDMO# 110-338
MFR# 110-338



The 110-338 antenna uses Artex Tri-Band technology to provide signal on 121.5, 243, and 406 MHz. This antenna is equipped with a single BNC connector for installations that require a single connector setup. Constructed with a durable, glass-reinforced polyester housing.

- Tri-Band technology
- 121.5, 243, and 406 MHz frequencies
- Vertical polarization
- Omni-directional radiation pattern
- Tough glass reinforced polyester housing
- Designed to meet the Eurocae ED 62 flame test

EDMO#	MFR#	DESCRIPTION
110-338	110-338	110-338 Tri-Band ELT Rod Antenna
ACCESSORIES		
280-0340	280-0340	Gasket for 110-337 & 110-338 antennas

FM ANTENNAS

CI 177-3 FM WHIP / 148-174 MHZ

COMANT
EDMO# CI-177-3
MFR# CI 177-3



The CI 177-3 is designed for use over the public services FM frequency band. The CI 177-3 whip antenna with the radiating antenna enclosed in high strength tapered glass laminate housing and die cast aluminum base.

Weight:	8 oz
Height:	14.5 in
Frequency:	148–174 MHz
VSWR:	2.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
Altitude:	30,000 ft
Connector:	BNC (female)
Mounting:	Three-hole mounting pattern
Material:	Die cast housing / fiberglass whip
Finish:	White polyurethane whip
Certification:	TSO-C37b, TSO-C38b, RTCA DO-138

CI 177-2 FM WHIP / 148-174 MHZ

COMANT
EDMO# CI-177-2
MFR# CI 177-2

The CI 177-2 whip antenna is designed for use over the public service FM Frequency band. The mounting uses the popular 4-hole with the radiating element enclosed in a high strength tapered glass laminate housing.



Weight:	0.50 lb
Height:	14.5 in
Frequency:	138–174 MHz
VSWR:	2.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF Power:	50 watts
Altitude:	30,000 ft

CI 177 FM WHIP / 148-174 MHZ

COMANT
EDMO# CI-177
MFR# CI 177

The CI 177 is designed for use over public service FM frequency band. The CI 177 is a whip antenna with the radiating element enclosed in a high strength tapered glass laminate housing and die-cast aluminum base.



Weight:	0.5 lb
Height:	14.5 in
Frequency:	148–174 MHz
VSWR:	2.5:1
Polarization pattern:	Vertical
Radiation pattern:	Omni-directional
RF power:	50 watts
Altitude:	30,000 ft
Connector:	BNC (female)
Mounting:	Four-hole mounting pattern
Material:	Die cast housing / fiberglass whip
Finish:	White polyurethane enamel
Certification:	TSO-C37b, TSO-C38b, RTCA DO-138

CI 292-4 EXTENDED BAND FM WHIP / 136-174 MHZ

COMANT
EDMO# CI-292-4
MFR# CI 292-4

The CI 292-4 is an extended band FM antenna. Features a high strength die-cast aluminum base with tapered stainless steel, whip radiating element.



Weight:	0.6 lb
Height:	14.5 in
Frequency:	136–174 MHz 138–174 MHz
VSWR:	3.0:1 (136–174 MHz) 2.5:1 (138–174 MHz)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Die cast housing / stainless steel whip
Finish:	White polyurethane enamel
Certification:	TSO-C37c (class 1), TSO-C38c, RTCA DO-160B

CI 177-13 EXTENDED BAND FM WHIP / 138-174 MHZ

COMANT
EDMO# CI-177-13
MFR# CI 177-13

The CI 177-13 is designed as an extended band antenna for use over the public service FM frequency band. The CI 177-13 is a whip antenna with the radiating element enclosed in a high strength tapered glass laminate housing and die-cast aluminum base.



Weight:	8 oz
Height:	14.5 in
Frequency:	138–174 MHz
VSWR:	3.0:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	50 watts
Altitude:	30,000 ft
Connector:	BNC (female)
Mounting:	Three-mount mounting pattern
Material:	Die cast housing / fiberglass whip
Finish:	White polyurethane enamel
Certification:	TSO-C37b, TSO-C38b, RTCA DO-138

CI 177-1 EXTENDED BAND FM WHIP 138-174 MHZ

COMANT
EDMO# CI-177-1
MFR# CI 177-1

The CI 177-1 is designed as an extended band version of the CI 177 for use over the public service FM frequency band. The CI-177-1 is a whip antenna with the radiating element enclosed in a high strength tapered glass laminate housing and die-cast aluminum base.



Weight:	8 oz
Height:	15.3 in
Frequency:	138–174 MHz
VSWR:	3.0:1
Polarization:	Vertical

*continued on next page

Radiation pattern:	Omni-directional
RF power:	50 watts
Altitude:	30,000 ft
Connector:	BNC (female)
Material:	Die cast / fiberglass whip
Finish:	White polyurethane enamel
Certification:	TSO-C37b, TSO-C38b, RTCA DO-138

CI 292-3 EXTENDED BAND FM BENT WHIP 136-174 MHZ

COMANT
EDMO# CI-292-3
MFR# CI 292-3

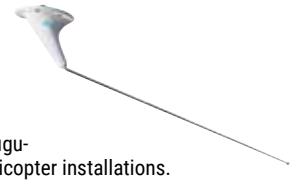


The CI 292-3 is an extended band FM antenna. Features a high strength die-cast aluminum base with tapered stainless steel, bent, whip radiating element suitable for bottom mounting.

Weight:	0.6 lb
Height:	9.5 in
Frequency:	136–174 MHz
VSWR:	3.0:1
Antenna gain:	2.5 dB
Polarization:	Vertical
Radiation pattern:	Omni-directional
Altitude:	50,000 ft
Connector:	BNC (female)
Material:	Die cast housing / stainless steel whip
Finish:	White polyurethane enamel
Certification:	TSO-C37c (class 1), TSO-C38c, RTCA DO-160B

CI 222 AM/FM BENT WHIP / 88-108 MHZ & 540-1600 KHZ

COMANT
EDMO# CI-222
MFR# CI 222



The CI 222 AM/FM receive antenna offer a unique low-profile design. Its bent whip configuration is ideally suited for underbelly and helicopter installations.

Weight:	8 oz
Height:	5.5 in (max) with 20.5 in stainless steel whip
Frequency:	88–108 MHz 540–1600 KHz
VSWR:	3.5:1 Maximum @ 98 MHz Mid-band 30:1 Maximum @ 88 & 108 MHz Edges
Polarization:	Slant / linear
Radiation pattern:	Omni-directional (receive only)
RF power:	50 watts
Connector:	BNC (female)
Mounting:	Four-hole mounting pattern:
Material:	Cast zinc housing / stainless steel whip
Finish:	White polyurethane enamel

AV-925 FM BLADE / 136-174 MHZ, 380-406 MHZ, 406-406.1 MHZ, 406.1-520 MHZ & 760-870 MHZ

R A MILLER

The AV-925 antenna was developed to be used with airborne FM transceivers typically used in first responder type aircraft providing a single antenna solution for the multiband transceivers. It has met DO-160G, Section 8, Category U requirements for robust vibration and is qualified for installation on helicopters with unknown related rotor frequencies. It is also qualified to perform as a 406 MHz ELT antenna, and is well suited for this function on higher speed, fixed wing aircraft.

Weight:	1.8 lb
Frequency:	136 MHz to 174 MHz 380 MHz to 406 MHz 406 MHz to 406.1 MHz 406.1MHz to 520 MHz 760 MHz to 870 MHz
VSWR:	1.5:1 Max. (406.0-406.1 MHz) 3.0:1 Max. (all other bands)
Polarization:	Vertical
Radiation pattern:	Omni-directional
Connector:	BNC female

EDMO#	MFR#	DESCRIPTION
AV-925	AV-925	AV-925 Blade Antenna
ACCESSORIES		
AV-926	AV-926	Antenna triplexer | 136-174, 380-520 & 760-870 MHz

AV-924 FM BLADE / 136-174 MHZ, 380-570 MHZ & 760-870 MHZ

R A MILLER
EDMO# AV-924HS
MFR# AV-924HS



The AV-924HS antenna is designed for use with airborne FM transceivers in first responder type aircraft. This antenna offers an ideal solution for multi-band transceivers and covers frequency ranges from 136 to 174 MHz, 380 to 520 MHz, and 760 to 870 MHz. It meets the requirements of DO-160G, section 8, Category U for robust vibration and qualified for helicopter installations with unknown related rotor frequencies.

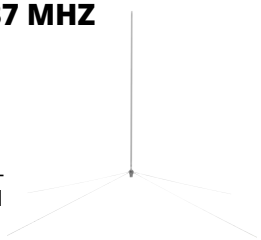
Frequency:	136–174 MHz 380–570 MHz 760–870 MHz
VSWR:	3.0:1, maximum
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	10 watts VHF 10 watts UHF
Connector:	TNC (female)
Color:	Gloss white

VHF BASE STATION & VEHICLE ANTENNAS

AV-5 BASE STATION / 118-137 MHZ

R A MILLER

The AV-5 is an economical Ground Plane base station antenna. It is ideally suited for use with Unicom transceivers and is field tunable to optimize VSWR at desired frequency. Durably constructed of high quality materials for a long operational life, the antenna is designed to withstand wind speeds up to 100 mph.



Weight:	1 lb
Height:	34 in
Frequency:	118–137 MHz (field tunable: 110–512 MHz)
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	100 watts
Connector:	SO-239

EDMO#	MFR#	DESCRIPTION
AV-5	AV-5	AV-5 Base Station Antenna
ACCESSORIES		
AV-6	AV-6	Cable Assembly | Includes 50-feet of RG-58/U low loss transmission line, PL-259 connector and BNC male connector

AV-1 BASE STATION / 118-137 MHZ

R A MILLER

The AV-1 is a base station antenna for communications with ground vehicles and aircraft. It has heavy-duty construction with 3/8-inch diameter aluminum radials, and a 1-inch diameter aluminum tube radiator. It mounts easily to a one-inch diameter pipe or a 1-1/4 inch O.D. tube with a set of locking set screws. A built-in gap-type lighting arrestor is incorporated into the design. The AV-1 requires no additional tuning and is able to withstand wind speeds up 100 mph.



Weight:	2.75 lb
Height:	37 in
Frequency:	118–137 MHz
VSWR:	2.0:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	500 watts
Connector:	SO-239

EDMO#	MFR#	DESCRIPTION
AV-1	AV-1	AV-1 Base Station Antenna

EDMO#	MFR#	DESCRIPTION
ACCESSORIES		
AV-6	AV-6	Cable Assembly | Includes 50-feet of RG-58/U low loss transmission line, PL-259 connector and BNC male connector
2-65-02	2-65-2	3/8 in Aluminum Radial Rod

AV-3 VEHICLE MOUNT WHIP / 108-512 MHZ

R A MILLER
EDMO# AV-3
MFR# AV-3

The AV-3 is a low-profile, snap-in mounting, quarter-wave antenna for use on ground vehicles. It has a solderless cable connection at the antenna and is supplied with 17 feet of cable with a PL-529 connector. The antenna is field tunable by simply cutting the whip to the required length.



Height:	27.5 in (maximum)
Frequency:	108–512 MHz (field tunable)
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	100 watts
Connector:	PL-259 (male)

AV-7 SERIES VEHICLE MOUNT WHIP 118-137 MHZ

R A MILLER

The AV-7 is a high-performance vehicle antenna for use on all surface vehicles where communications on the aircraft VHF COM frequency band are required. It has a heavy duty constructed with a tapered 17-7PH stainless steel whip and spring mount. All exposed fittings are chrome-plated brass or stainless steel. Mounting is easily achieved on rooftop, cowl, fender or other suitable location via a magnetic or fixed "NMO" base. The antenna comes pre-tuned to operate in the aircraft VHF COM frequency band of 118-137 MHz.



AV-7

Height:	45 in
Frequency:	118–137 MHz
VSWR:	1.5:1
Polarization:	Vertical
Radiation pattern:	Omni-directional
RF power:	150 watts
Connector:	BNC (male)

EDMO#	MFR#	DESCRIPTION
AV-7F	AV-7F	AV-7 antenna | Fixed base mount with 17-foot cable and BNC connector attached
AV-7M	AV-7M	AV-7 antenna | Magnetic base with 12-foot cable and BNC connector attached

ASPC-201L VEHICLE MOUNT WHIP 108-512 MHZ

TALLEY COMMUNICATIONS

EDMO# ASPC-201L
MFR# MXRASPC201L

The ASPC-201L is a field-tunable, broadband vehicle antenna with a snap-in mount for fast, permanent installation in a 3/8-inch hole without the need for soldering. The whip is fastened using a set screw adapter and can be removed easily for fine tuning or replacement.

- Comes with 17-foot RG58U cable and UHF male connector



Height:	26 in
Frequency:	108–512 MHz (field tunable)
VSWR:	< 1.5:1
RF power:	100 watts
Mounting:	3/8-inch hole snap-in mounts
Material:	Stainless steel
Base and fittings:	Aluminum plated steel and brass

ASPR-795 MAGNET MOUNT WIRE WHIP 108-512 MHZ

TALLEY COMMUNICATIONS

The ASPR-795 is a field-tunable, broadband vehicle antenna mount with a magnetic base mount that simplifies the process of replacing or fine tuning the whip antenna.



Height:	26 in
Frequency:	108–512 MHz (field tunable)
VSWR:	< 1.5:1
RF power:	100 watts
Mounting:	1-1/8 in–18 thread mobile mounts, including 3/4 in hole mounts
Material:	Stainless steel

EDMO#	MFR#	DESCRIPTION
ASPR-795	MXRASPR795	ASPR-795 Whip Antenna
ACCESSORIES		
G	MXRG	Magnetic Base Mount
GBN	MXRGCC-60-144-B1-A	Magnetic Base Mount | with 12-foot RG58/U Cable

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BMAXMFTS VEHICLE MOUNT / 118-940 MHZ

TALLEY COMMUNICATIONS

The BMAXMFTS is a field tunable, 1/4-wave antenna that is designed with a rugged molded-polymer base for durability. It operates on frequencies of 118 MHz to 940 MHz.

- Molded polymer base
- Provides wideband coverage from 2.2 GHz to 2.9 GHz without tuning
- Spring-loaded, gold-plated contact pin



Weight:	0.25 lb
Height:	26 in @ lowest frequency
Frequency:	118–940 MHz
VSWR:	< 1.5:1
Polarization:	Vertical
RF power:	150 watts
Gain:	0 dB
Mounting:	Mates with all 1-1/8-in–18 thread mounts, including 3/4-in mounts
Material:	Stainless steel
Base style:	NMO style

EDMO#	MFR#	DESCRIPTION
BMAXMFTS	MXRBMAX-MFTS	Vehicle Mount Antenna
ACCESSORIES		
BMATM	MXRBMATM	Install Kit | Includes 17-inch RG58/U with PL259 Connector

BMAX7603S MOBILE ROD / 760-870 MHZ

TALLEY COMMUNICATIONS

The BMAX7603S is a open coil rod mobile antenna with an operating frequency of 760 MHz to 870 MHz. A rugged molded polymer base, plated spring-loaded contact pin and 0.100-inch diameter stainless-steel whip provides for long-lasting, trouble-free operation.

- Molded polymer base
- Ready to install: no cutting required
- Spring-loaded, gold-plated contact pin



Weight:	0.5 lb
Height:	14 in @ lowest frequency
Frequency:	760–870 MHz
VSWR:	< 1.5:1
Polarization:	Vertical
RF power:	150 watts
Gain:	3 dB
Mounting:	Mates with all 1-1/8-inch–18 thread mounts, including 3/4-inch mounts
Material:	Stainless steel
Base style:	NMO style

EDMO#	MFR#	DESCRIPTION
BMAX7603S	MXRBMAX7603S	Mobile rod antenna
ACCESSORIES		
NMO58UCP	MXRNMO58UCP	Antenna install kit | Includes NMO brass mount with gold pin and 17-foot RG58/U with PL259 connector

1/4 INCH MOBILE WAVE ANTENNA / 118 MHZ - 970 MHZ

LAIRD/ANTENEX
EDMO# QWFT120
MFR# ANXQWFT120



1/4-inch wave antenna featuring brass button contact and heavy duty stand-up grommets that last longer and stay straighter. Ball tip is removable for field tuning. Cutting chart supplied.

Length:	24 in
Frequency:	Tunable
Color:	Stainless Steel
Gain:	Unity
Antenna Type:	Whip
Mount:	Requires NMO mount

GROUND PLANE OMNI-BASE STATION ANTENNA / 144-174 MHZ

LARSON
EDMO# LARBSA150C
MFR# LARBSA150C



This ground plane, omni-base station antenna operates on the 144 MHz — 174 MHz frequency band. It features a UHF connector and is able to withstand winds up to 100 mph.

Frequency:	144 MHz — 174 MHz
Gain:	3 dBd
Power:	200 watts
Vert. Beam:	N/A
Termination:	UHF (female)
Length:	51-3/4 in
Wind Rating:	100 mph
Weight:	1 lb

VSWR:	1.6:1
Polarization:	Vertical
Radiation pattern:	Equivalent of 1/4-inch wave stub
RF power:	100 watts
Efficiency:	90%
Connector:	TNC (female)
Mounting:	Six-hole mounting pattern
Finish:	White polyurethane paint
Certification:	RTCA DO-160C

CI 150-250-L WIFI DATALINK / 2400-2500 MHZ

COMANT
EDMO# CI-150250L
MFR# CI 150-250-L



The CI 150-250-L is a WIFI Datalink antenna designed for application using the 11.802 protocol. This antenna provides wireless internet and data transfer while the aircraft is parked on the ramp.

Weight:	0.5 lb
Height:	3 in
Frequency:	2400–2500 MHz
VSWR:	1.6:1
Polarization:	Vertical
Radiation pattern:	Equivalent of 1/4-inch wave stub
Connector:	TNC (female)
Mounting:	Six-hole mounting pattern
Finish:	White polyurethane paint
Certification:	RTCA DO-160C
Applications:	Airbus A320-200 Series, A319-111, A319-112, A319-113, A319-114, A319-131, A319-132

WIFI ANTENNAS

CI 150-500-L WIFI DATALINK / 2400-2500 MHZ & 5172-5820 MHZ

COMANT
EDMO# CI-150500L
MFR# CI 150-500-L



The CI 150500L is a WIFI Datalink antenna designed for application using the 11.802 protocol. This antenna provides wireless internet and data transfer while the aircraft is parked on the ramp.

Weight:	0.5 lb
Height:	3.4 in
Frequency:	2400–2500 MHz, 5172–5820 MHz

COUPLERS, DIPLEXERS & SPLITTERS

CI 509 DUAL MARKER BEACON COUPLER 75 MHZ

COMANT
EDMO# CI-509
MFR# CI 509



The CI 509 Dual Marker Beacon Coupler allows the use of two marker beacon receivers from one marker beacon antenna. The compact designed provides for easy installation.

Weight:	0.2 lb
Height:	0.88 in

Frequency:	75 MHz ± 0.15 MHz
VSWR:	1.5:1
Isolation:	20 dB
Insertion loss:	0.5 dB
Connector:	BNC (female)
Mounting:	Internal
Material:	Die cast aluminum
Finish:	Aluminum
Certification:	TSO-C35d

CI 503 DUAL GS COUPLER / 329-335 MHZ

COMANT
EDMO# CI-503
MFR# CI 503

The CI 503 Dual Glide Slope Coupler allows the operation of two glide slope receiver from on glide slope antenna. The compact design provides for easy installation.



Weight:	0.2 lb
Height:	0.88 in
Frequency:	329–335 MHz
VSWR:	1.5:1
Isolation:	18 dB
Insertion loss:	3.5 dB
Connector:	BNC (female)
Mounting:	Internal
Material:	Die cast aluminum
Finish:	Aluminum
Certification:	TSO-C34c, TSO-C36c, TSO-C40a

CI 502 DUAL VOR COUPLER / 108-118 MHZ

COMANT
EDMO# CI-502
MFR# CI 502

The CI 502 Dual VOR coupler allows the simultaneous use of two VOR receivers from one VOR antenna. The compact design provides for easy installation.



Weight:	0.25 lb
Height:	0.88 in
Frequency:	108–118 MHz
VSWR:	1.5:1
Isolation:	20 dB
Connector:	BNC (female)
Mounting:	Internal
Material:	Die cast aluminum
Certification:	TSO-C34c, TSO-C36c, TSO-C40a

AV-586 NAV/LOC/GS ANTENNA COUPLER

R A MILLER
EDMO# AV-586
MFR# AV-586

The AV-586 antenna coupler is an antenna signal splitter providing two outputs from a single antenna. In an aircraft instrument panel with two newer navigational radios the AV-586 will provide the necessary signals to both radios utilizing a single antenna.



Weight:	4 oz
Frequency:	Antenna, NAV/LOC/GS, NAV/LOC, G/S
VSWR:	1.4:1
RF power:	Receive only
Isolation:	>22 dB
Insertion loss:	< 0.6 dB
Connector:	BNC (female)
Certification:	TSO-C34e, TSO-C36e, TSO-C40e

AV-587 NAV/LOC/GS ANTENNA COUPLER

R A MILLER
EDMO# AV-587
MFR# AV-587



The AV-587 antenna coupler is an antenna signal splitter/diplexer that provides three outputs for antennas with only a single output port. One output provides a combined VOR/LOC/GS signal, a second provides a VOR/LOC signal, and a third output provides the GS signal. The AV-587 is designed for aircraft instrument panels that include one navigational radio with one port to receive VOR/LOC/GS signals and one legacy navigational radio with separate ports for NAV/LOC and GS signals.

Weight:	0.38 lb
Application:	Receive navigation
Ports:	Antenna, NAV/LOC/GS, NAV/LOC, G/S
Impedance:	50Ω
VSWR:	1.40:1, max
Connector:	BNC (female)
Color:	Black
Certifications:	FAA TSO: C34e, C36e, C40c

CI 1125 DUAL VOR/ DUAL GS DIPLEXER 108-118 MHZ & 329-335 MHZ

COMANT

The CI 1125 Dual VOR/Dual GS diplexer featuring diplexer circuitry in a small die-stamped housing for high reliability. Provides operation between two VOR receivers and two GS receivers from the same VOR/GS antenna.



Weight:	0.2 lb
Height:	0.75 in
Frequency:	108–118 MHz (VOR) 329–335 MHz (GS)

VSWR:	1.5:1
Insolation:	20 dB between VOR/GS 18 dB between VOR ports 18 dB between GS ports
Insertion loss:	3.6 dB (maximum)
Connector:	BNC or TNC
Mounting:	Internal
Material:	Aluminum
Certification:	TSO-C34c,TSO-C36c, TSO-C40a

EDMO#	MFR#	CONNECTOR
CI-1125	CI 1125	BNC
CI-1125TNC	CI 1125-TNC	TNC

CI 505 DUAL VOR / SINGLE GS DIPLEXER 108-118 MHZ & 329-335 MHZ

COMANT

The CI 505 Dual VOR coupler/single GS diplexer allows the operation of two VOR receivers and one glide slope receiver from one VOR/GS antenna. The compact design provides for easy installation.



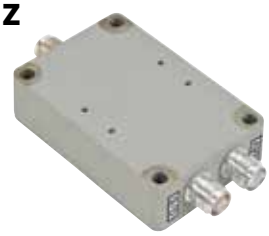
Weight:	0.20 lb
Height:	0.88 in
Frequency:	108–118 MHz (VOR), 329–335 MHz (GS)
Isolation:	20 dB between ports
Insertion loss:	0.5 dB
Mounting:	Internal
Material:	Die cast aluminum
Certification:	TSO-C34c, TSO-C36c, TSO-C40a

EDMO#	MFR#	CONNECTOR
CI-505	CI 505	BNC
CI-505-TNC	CI 505-TNC	TNC

CI 1120 SINGLE VOR/ SINGLE GS DIPLEXER 108-120 MHZ & 325-340 MHZ

COMANT
EDMO# CI-1120-1
MFR# CI 1120-1

The CI 1120 diplexer provides operation between a single VOR receiver and a single glide slope receiver from the same VOR/GS antenna. This diplexer offers polarized VOR and GS output connectors.



Weight:	0.5 lb
Height:	0.85 in
Frequency:	108–120 MHz (VOR), 325–340 MHz (GS)
VSWR:	1.5:1
Isolation:	40 dB between frequencies
Insertion loss:	0.5 dB (0.3 dB typical)
Connector:	TNC (female)
Material:	Die cast aluminum
Finish:	Flat grey epoxy paint

CI 1120-300 SAR TRI-PLEXER

COMANT
EDMO# CI-1120300
MFR# CI-1120-300



The CI 1120-300 tri-plexer is specifically designed to operate with the CI 295-300 single connector search and rescue antenna. It provides frequency coverage over 136 - 174 MHz, 380 - 520 MHz, & 764 - 870 MHz from one antenna with a single port. The CI 1120-300 has been tested extreme MIL-STD-810D environments including helicopter vibration and high temperature environment above 125°C. This device uses surface mount components for reliable tuning over temperature.

- Compatible with CI 295-300 SAR antenna

Weight:	0.6 lb
Frequency Range:	136–174 MHz; 380–520 MHz; 760–870 MHz
VSWR:	1.5:1, maximum
Impedance:	50Ω
RF Power:	10 watt

CI 507 SINGLE VOR/ SINGLE GS DIPLEXER 108-118 MHZ & 329-335 MHZ

COMANT
EDMO# CI-507
MFR# CI 507



The CI 507 VOR/GS Diplexer allows the operation of one VOR receiver and one glide slope receiver from one VOR/GS antenna. The compact design provides for easy installation.

Weight:	0.2 lb
Height:	0.88 in
Frequency:	108–118 MHz (VOR) 329–335 MHz (GS)
VSWR:	1.5:1
Isolation:	20 dB
Insertion loss:	0.5 dB
Mounting:	Internal
Material:	Die cast aluminum
Certification:	TSO-C34c, TSO-C36c, TSO-C40a

EDMO#	MFR#	CONNECTOR
CI-507	CI 507	BNC
CI-507-2	CI 507-2	TNC

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AV-570 VOR/LOC/GS DIPLEXER 108-118 MHZ & 328-336 MHZ

R A MILLER
EDMO# AV-570
MFR# AV-570



The AV-570 diplexer splits the signal from a VOR-Type NAV antenna to feed a NAV/LOC and a GS receiver. The diplexer construction is similar to the AV-547 splitter and operates at altitudes up to 50,000 feet.

- Direct replacement for the CI 507

Weight:	3.5 oz
Frequency:	108–118 MHz (VOR/LOC), 328–336 MHz (GS)
VSWR:	1.4:1
Isolation:	38 dB
Insertion loss:	38 dB
Connector:	3 BNC (females)
Certification:	TSO-C34e, TSO-C36e, TSO-C40c9

AV-927 ANTENNA DIPLEXER 136–174 MHZ & 380–520 MHZ

R A MILLER
EDMO# AV-927
MFR# AV-927



The AV-927 diplexer can be used with airborne multiband FM transceivers. The device is designed to provide two separate frequency band ports (typically going to a multiband transceiver) from a single port multiband antenna.

Weight:	0.42 lb
Applications:	Airborne Communications
Ports:	Antenna, 136—174 MHz, 380—520 MHz
VSWR:	1.3:1
Connector:	BNC (female)
Color:	Black

AV-928 ANTENNA DIPLEXER / 136–174 MHZ & 760–870 MHZ

R A MILLER
EDMO# AV-928
MFR# AV-928



The AV-928 diplexer can be used with airborne multiband FM transceivers. The device is designed to provide two separate frequency band ports (typically going to a multi-band transceiver) from a single port multi-band antenna.

Weight:	0.42 lb
Applications:	Airborne Communications
Ports:	Antenna, 136—174 MHz, 380—520 MHz
VSWR:	1.3:1
Connector:	BNC (female)
Color:	Black

AV-930 DIPLEXER / 136–174 MHZ & 380–870 MHZ

R A MILLER
EDMO# AV-930
MFR# AV-930



The AV-930 diplexer can be used with airborne multi-band FM transceivers. The device is designed to provide two separate frequency band ports (typically going to a multi-band transceiver) from a single port multi-band antenna.

- Used with airborne multi-band FM transceivers
- Provide two separate frequency band ports from a single port multi-band antenna

Weight:	6.72 oz
Frequency:	Antenna, 136–174 MHz (radio), 380–870 MHz (radio)
VSWR:	1.3:1
RF power:	10 watts (VHF), 5 watts (UFH)
Isolation:	>35 dB
Insertion loss:	< 0.5 dB
Connector:	TNC (female)

H69-1 DUAL VOR/ DUAL GS QUADRAPLEXER 108-118 MHZ & 329-335.3 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM H69-1
MFR# H96-1



The H69-1 quadraplexer provides in one small lightweight component the ability to operate dual NAVs and dual glide slope receivers from one VOR antenna. The H69-1 is housed in an aluminum case and all circuit components are fully encapsulated for vibration and waterproof protection.

- Allows operation of dual NAVS and dual GS receivers from one VOR antenna
- Reduced insertion loss and provides signal isolation

Weight:	4 oz
Frequency:	108–118 MHz (VOR), 329–335.3 MHz (GS)
VSWR:	2.0:1
RF power:	Receiver only
Insertion loss:	1 dB (VOR), 1 dB (GS)
Connector:	BNC (male)
Certification:	MIL-E-5400 class II vibration 1A

H23-1 DUAL VOR/ SINGLE GS TRI-PLEXER 108-118 MHZ & 329-335.3 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM H23-1
MFR# H23-1



The H23-1 dual VOR and single GS tri-plexer permits operation of 2 NAV and 1 glides slope receiver from one VOR/GS antenna. The unit is housed in an aluminum case and all circuit components fully encapsulated for vibration protection as well as waterproof protection.

- Instrument landing system redundant couplers
- Minimum insertion loss

Weight:	4 oz
Frequency:	108–118 MHz (VOR), 329–335.3 MHz (GS)
VSWR:	1.5:1
RF power:	Receive only
Connector:	BNC (female)
Material:	Aluminum
Certification:	TSO-C34c, TSO-C35d, TSO-C36d, TSO-C40a

H24-1 DUAL GS DIPLEXER / 108-118 MHZ & 329-335.3 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM H24-1
MFR# H24-1



The H24-1 Dual Glide Slope Diplexer allows operation of two glide slope receivers from one glide slope antenna. The unit is housed in an aluminum case and all circuit components fully encapsulated for vibration protection as well as waterproof protection.

- Instrument landing system redundant couplers
- Minimum insertion loss

Weight:	4 oz
Frequency:	329–335.3 MHz, 108–118 MHz
VSWR:	< 1.5:1 dB (VOR/LOC), < 1.5:1 dB (Glide Slope)
Impedance:	50Ω
Isolation:	< 20 dB (VOR/LOC to VOR/LOC) < 40 db (VOR/LOC to VOR/LOC) < 14 dB (Glide slope from VOR/LOC) < 14 dB (marker beacon to marker beacon)
Insertion loss:	0.5 dB, max (glide slope port H22-1 & H23-1) 0.5 dB, max (VOR/LOC port H22-1) 3.5 dB, max including power split (VOR/LOC ports, H21-1, H23-1 and glide slope ports H24-1) 3.6 dB, max (Marker beacon ports, H21-1)
RF power:	Receive only
Connector:	BNC (female)
Material:	Aluminum
Certification:	TSO-C34c, TSO-C35d, TSO-C36d, TSO-C40a

H21-1 DUAL VOR OR DUAL MARKER BEACON DIPLEXER / 108-118 MHZ & 74.5-75.25 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM H21-1
MFR# H21-1



The H21-1 dual VOR or dual marker beacon diplexer will permit operation of two NAV receivers form one VOR antenna or two marker beacon receivers from one marker beacon antenna. The unit is housed in an aluminum case and all circuit components fully encapsulated for vibration protection as well as waterproof protection.

Weight:	4 oz
Frequency:	108–118 MHz (VOR), 74.5–75.25 MHz (marker beacon)
VSWR:	1.5:1 (VOR), 2.0:1 (marker beacon)
RF power:	Receive only
Connector:	BNC (female)
Material:	Aluminum
Certification:	TSO-C34c, TSO-C35d, TSO-C36d, TSO-C40a

H22-1 SINGLE VOR / SINGLE GS DIPLEXER 108-118 MHZ & 329-335.3 MHZ

HARRIS CORP. (D&M EDO)
EDMO# DM H22-1
MFR# H22-1



The H22-1 single VOR and single GS diplexer will permit operation of one NAV and one glide slope receiver from one VOR antenna. The unit is housed in an aluminum case and all circuit components fully encapsulated for vibration protection as well as waterproof protection.

- Instrument landing system redundant couplers
- Minimum insertion loss

Weight:	4 oz
Frequency:	108–118 MHz (VOR), 329–335.3 MHz (GS)
VSWR:	1.5:1 (VOR)
RF power:	Receive only
Connector:	BNC (female)
Material:	Aluminum
Certification:	TSO-C34c, TSO-C35d, TSO-C36d, TSO-C40a

AV-585 DUAL VOR / DUAL GS DIPLEXER/ SPLITTER / 108-118 MHZ & 328-336 MHZ

R A MILLER
EDMO# AV-585
MFR# AV-585



The AV-585 antenna is a diplexer/splitter providing two VOR/ LOC and two GS outputs from one VOR/LOC/GC antenna.

- Direct replacement for the CI 1125
- Provides 2 VOR/LOC & 2 GS outputs from antenna

Weight:	3.2 oz
Frequency:	108–118 MHz(VOR) 328–336 MHz (GS)
VSWR:	1.5:1
Isolation:	20 dB
Insertion loss:	3.5 dB
Connector:	BNC (female)
Certification:	TSO-C34e, TSO-C36e, TSO-C40a

AV-571 VOR/LOC/GS DIPLEXER/SPLITTER 108-118 MHZ & 328-336 MHZ

R A MILLER
EDMO# AV-571
MFR# AV-571



The AV-571 diplexer/splitter splits the signal from a VOR-Type antenna to feed two NAV and one Glide Slope receivers. The diplexer/splitter's construction is similar to the AV-547 splitter and operates altitudes up to 50,000 ft.

- Direct replacement for the CI 505

Weight:	3.5 oz
Frequency:	108–118 MHz (VOR/LOC), 328–336 MHz (GS)
VSWR:	1.4:1
Isolation:	22 dB / 35 dB average
Insertion loss:	1 dB
Connector:	3 BNC (female)
Certification:	TSO-C34e, TSO-C36e, TSO-C40c

CI 5120 DUAL VOR/LOC/GS SPLITTER 108-118 MHZ & 329-335 MHZ

COMANT
EDMO# CI-5120
MFR# CI 5120



The CI 5120 Dual VOR/LOC/GS splitter is designed to be used the Garmin GNS 580 and similar systems that have a single input for VOR/LOC and GS. The CI 5120 splits a single coax antenna input into equally proportioned VOR/LOC/GS outputs, allowing operation of two single input receiver from one antenna.

Weight:	0.1 lb
Height:	0.97 in
Frequency:	108–118 MHz (VOR), 329–335 MHz (GS)
VSWR:	1.5:1
Isolation:	20 dB
Insertion loss:	1.0 dB
Amplitude balance:	±0.5 dB
Phase:	180 degrees ± 5 degrees
Power split:	3 dB
Connector:	BNC (female)
Mounting:	internal
Material:	Aluminum

AV-547 VOR/LOC SPLITTER / 108-118 MHZ

R A MILLER
EDMO# AV-547
MFR# AV-547



The AV-547 splitter feeds two navigation receivers from one antenna. The circuitry is enclosed in a durable, lightweight aluminum housing for superior mechanical and environmental stability. The splitter operates at altitudes of up to 50,000 ft.

- Direct replacement for the CI 502

Weight:	3.5 oz
Frequency:	108–118 MHz
VSWR:	1.4:1
RF power:	Receiver only
Isolation:	30 dB
Insertion loss:	3.5 dB
Connector:	3 BNC (female)
Certification:	TSO-C34e, TSO-C36e, TSO-C40c

AV-590 SPLITTER / 118-136 MHZ

R A MILLER



The AV-590 allows two communications radios to share the same antenna. In the nominal, non-switched mode the AV-590 splits the signal from the antenna evenly between two comm radio receivers. When the control voltage is activated by the microphone PTT, the AV-590 switches the antenna to the corresponding radio transmitter and isolates the other receiver.

Weight:	8 oz
Dimensions:	3.69 x 2.36 x 0.88 in
Frequency:	118–136 MHz
VSWR:	1.2:1
RF power:	25 watts
Ports:	Antenna, XMT/RCV No. 1, XMT/RCV No. 2
Connector:	BNC (female)
Cable:	36 inch, 4 conductor

EDMO#	MFR#	VOLTAGE
AV-590	AV-590	12–15 VDC
AV-590/28	AV-590(28)	20–30 VDC

COAXIAL POWER SPLITTER / 5-500 MHZ

EDMO# ZFSC-2-1B
MFR# ZFSC-2-1B+



The ZFSC-2-1B is a coaxial power splitter/combiner for VHF/UHF, instrumentation, and communication systems. This part comes with a bracket and BNC connectors. This splitter/combiner includes the bracket option

Weight:	70 grams
Dimensions:	1 x 1.25 x 0.75 in (with mounting bracket)
Frequency:	5–500 MHz
VSWR:	1.2:1
Isolation:	0.1 (typical)
Insertion loss:	0.3 dB (typical)
Power input:	1 watt, maximum (as splitter)
Internal dissipation:	0.125 watt, maximum
Temperature range:	-55°C to 100°C

CI 120 SERIES VOR/GS POWER COMBINER 108-118 MHZ & 329-335 MHZ

COMANT


CI-120-3


CI-120-4


CI-120-5

The CI 120 series VOR/GS power combiners are either a two-input and one output, or two input and two output power combiner designed for the CI 120G/S blade set. It combines VOR/LOC and GS signals from individual blades and are typically used with one or two coaxial cable runs to feed NAV1 or NAV2 receivers.

Weight:	0.1 lb (CI-120-3) 0.25 lb (CI-120-4, -5, -7)
Height:	0.97 in (CI-120-3, -4) 0.88 in (CI-120-5, -7)
Frequency:	108–118 MHz, 329–335 MHz
VSWR:	1.5:1
Power split:	3 dB (CI-120-3) 6 dB (CI-120-4, -5, -7)
Isolation (between ports)	20 dB
Insertion Loss:	1.0 dB (CI-120-3) 1.5 dB (CI-120-4, -5, -7)
Amplitude Balance:	± 0.5 dB
Phase:	±180° ±5°
Material:	Die cast aluminum
Certification:	TSO-C34c, TSO-C36c, TSO-C40a, RTCA DO-160C

EDMO#	MFR#	CONNECTOR	# OF OUTPUTS/INPUTS
CI-120-3	CI 120-3	BNC	1/2
CI-120-4	CI 120-4	BNC	2/2
CI-120-5	CI 120-5	BNC	2/2
CI-120-7	CI 120-7	TNC	2/2

ANTENNA SEALING & MOUNTING SUPPLIES

TITANRF FARADAY FABRIC

MISSION DARKNESS


ATC-SHIELD

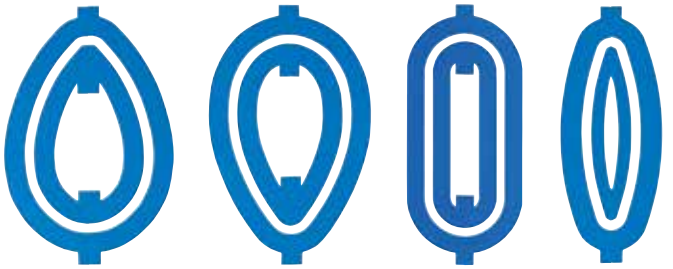
Mission Darkness TitanRF Faraday Fabric is made of a special copper and nickel composite material used for reducing the RF signals from transponders during aircraft radio and transponder testing procedures. This MIL-STD-188-125 standard Faraday fabric can be sewn and cut to be used for RF shielded rooms, tents EMP protection, EMI radiation, anti-theft, identity protection, signal isolation, or anywhere a secure environment from RF is required.

- Secures any environment from RF inference
- Attenuates leakage during RF testing procedures
- Use in conjunction with antenna couplers during ADS-B testing operations
- Blocks cellular, Bluetooth, WI-FI, and GPS singles
- Ideal for military, law enforcement, corporations, aviation for RF blocking
- Compatible with UC-584 and TC-201A antenna couplers

EDMO#	MFR#	CONNECTOR
ATC-SHIELD	MDFF-ATC-SHIELD	TitanRF Faraday fabric | 46 x 32 in.
ACCESSORIES		
MDFT-10F1I	MDFT-10F-1I	Faraday Tape | 10 ft x 1 in.
MDFT10F25I	MDFT-10F-2.5I	Faraday Tape | 10 ft x 2.5 in.
MDFT10F10I	MDFT-10F-10I	Faraday Tape | 10 ft x 10 in.
MDFT-50M1L	MDFT-50M-1L	Faraday Tape | 164 ft x 1 in.
MDFT50M25I	MDFT-50M-2.5I	Faraday Tape | 164 ft x 2.5 in.
MDFT50M10I	MDFT-50M-10I	Faraday Tape | 164 ft x 10 in.

ANTENNA SEALING TEMPLATES

SEALING GUIDE LLC


SG260-430 SG260-450 SG175-525 SG090-400

Keep sealant application simple and tidy with these precise, efficient sealing templates. Each template is customized to fit select antennas. Each two-pieced template consists of an inner part and outer part; the inner component adheres to the base of the of the antenna and the outer template is place on the body of the aircraft surrounding the antenna. Sealant is then applied to gap between the templates which are later removed after the sealant has cured.

EDMO#	MFR#	FOR USE WITH:
SG090-400	SG090-400	CI1059 CI 105, CI 105-16, AV-74
SG175-525	SG175-525	CI-100 Series, CI-105-6, CI-105-7, CI-110-40 Series, CI-110-41 Series, CI-110-60 Series, CI-110-61 Series, S65-5366-850L, S65-5366-890L, S65-5366-2L, S65-5366-3L, S65-5366-7L, S65-5366-8L, S65-5366-10L, S65-5366-10LC, S65-5366-11L, S65-5366-116L, S65-5366-119L, S65-5366-144L, S65-5366-145L, S65-5366-168L, S65-5366-4 Series, AV-741, DM N150 Series, DM N170 Series
SG260-450	SG260-450	CI-248-5, CI-248-30, CI-248-180, CI-2480-100, CI-2480-101, CI-2480-200, CI-2480-201, CI-2480-204, CI-2480-206, CI-2480-300, CI-2480-301, CI-2480-304, CI-2480-400, CI-2480-401, CI-420-10, CI-420-16, CI-420-220, CI-420-221, CI-420-224, CI-420-230, CI-420-420, CI-420-421, 2.70-4.40, 110-338

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B-ANT BASE STATION SYSTEM

ICOM AMERICA INC
EDMO# B-ANT
MFR# B ANT A200



The B-ANT antenna system works with aviation base station radios with a frequency range of 118.8 MHz to 126.8 MHz. This antenna system includes a 50-foot RG-213 cable with PL-259 connectors at each end, base station antenna kit collar, set screws, ground radials, bulkhead adapter, lock washer and hex nut, base station bracket, mounting clamps and phasing coil.

ANTENNA CABLE 17' RG58A/U

TALLEY COMMUNICATIONS
EDMO# ANXMB8
MFR# ANXMB8



The ANXMB8 is a corrosion resistant, permanent 3/4-inch antenna NMO mount which has a TNC crimp connector at 17-inch RG58A/U cable. It features a gold-plated contact for superior conductivity and a silver-soldered ground lug to eliminates RF noise or static.

Weight:	0.5 lb
Length:	17 ft
Color:	Brass
Hole size:	3/4 in
Cable type:	RG58A/U
Connector type:	Sold separately
Connector installed:	No

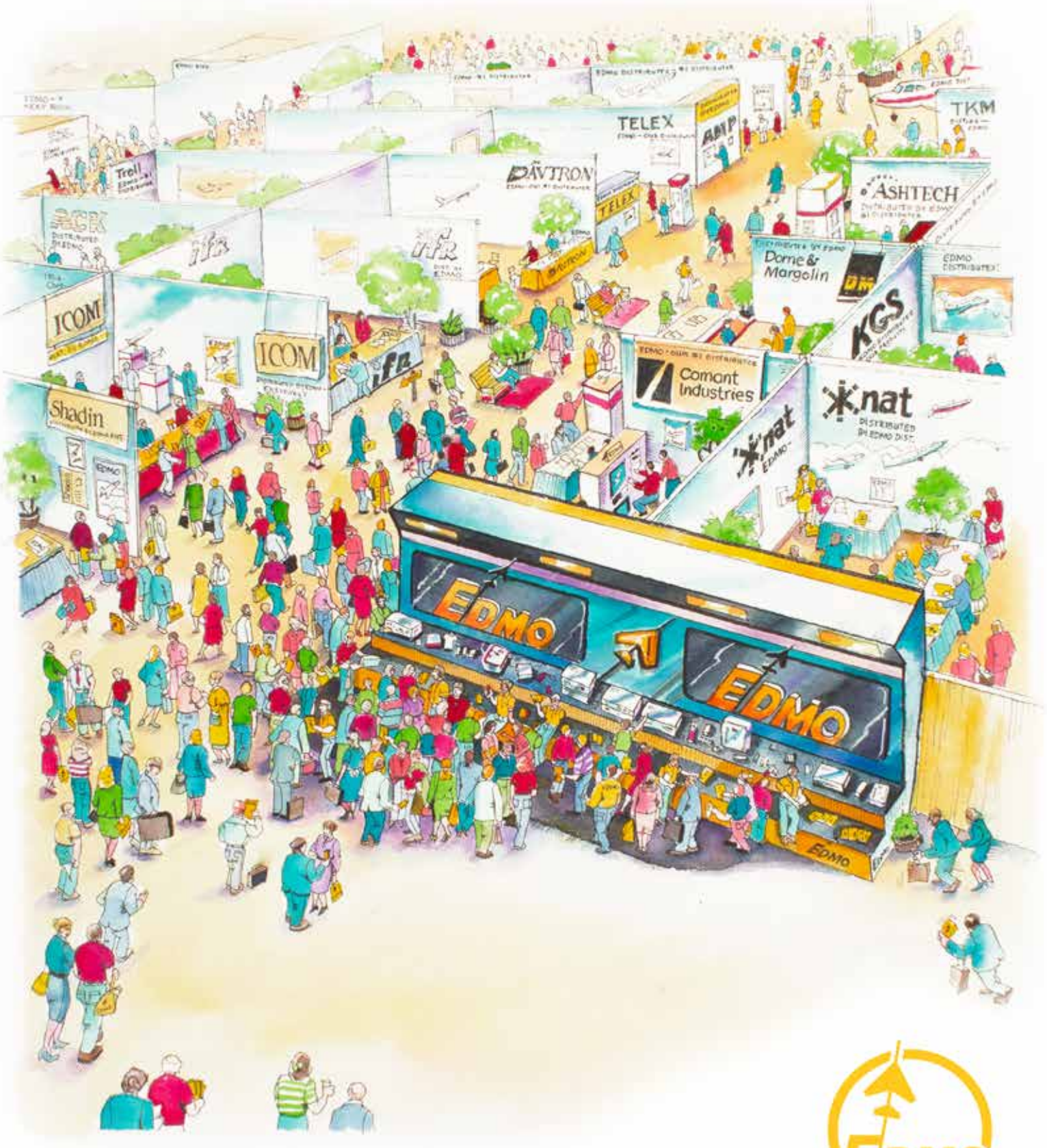
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LEGENDARY



NOTES



EDMO

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ANTI-COLLISION STROBES, BEACONS & LIGHTS

COMETFLASH ANTI-COLLISION STROBE

WHELEN ENGINEERING CO, INC

The HRCFA Series self-contained CometFlash® strobe anti-collision lights are unique polycarbonate optic lens and reflector designs that redirect stray light rays into the horizontal plane to provide 360° of uniform lighting. Designed for use as a direct replacement for any rotating beacon that uses a 3-3/4 inch diameter mounting hole. May be installed in the vertical fin or the fuselage (requires the A440 mounting adapter). Operates in 10 to 30 VDC.



HRCFADSM

EDMO#	MFR#	DESCRIPTION
HRCFADSM	01-0770029-389	Cometflash | RFI Shielded
ACCESSORIES		
A402ADR	68-2170504R50	Red Lens Assembly | RFI Shielded
A402ADW	A402A-D-W	White Lens Assembly | RFI Shielded
A402ADS	68-2170504R60P	Red/White Lens Assembly
A402AR	68-2170504-50	Red Lens Assembly
A457A	A457A	White Lens Assembly
A469B	01-0770044-02W	Strobe Tube Assembly
130074-100	19-130074-100	A440 Mounting Adapter Plate

A470A SERIES REMOTE STROBE HEAD ASSEMBLY

WHELEN ENGINEERING CO, INC

The A470A Series is a remote strobe light assembly, compatible with all WAT power supplies. It can be installed on the fuselage or the vertical fin. The unique polycarbonate optic lens and reflector design redirects stray light rays into the horizontal plane to provide the maximum 360 degrees of uniform light coverage possible. Available in three different lens colors, Aviation Red, Aviation White and Split Aviation Red/White. Available in radio-shielded configurations. All assemblies require either the model H102 or H103 mounting adapter.



A470ADS

Weight:	0.3 lb
Dimensions:	3.75 x 2.5 in

EDMO#	MFR#	DESCRIPTION
A470ADS	01-0770019-239	A470ADS | Shielded, Red & White
A470ADW	A470ADW	A470ADS | Shielded, White

70509 SERIES HALOGEN FLASHING ANTI-COLLISION STROBE

WHELEN ENGINEERING CO, INC

The 70509 Series is comprised of a self-contained, halogen, flashing anti-collision (strobe) light with the same mounting pattern as the factory-installed beacon on a single-engine Cessna, 1967 and later.



7050901

EDMO#	MFR#	DESCRIPTION
7050901	01-0770509-01	White Halogen Strobe | 14V
7050907	7050907	Red Halogen Strobe | 28V
ACCESSORIES		
5043300	5043300	Lamp Assembly | 14V

7198 SERIES LED STROBE

WHELEN ENGINEERING CO, INC

The Model 7198700 LED strobe light is designed to replace the legacy strobe light (01-0770818-00) system on Cessna single-engine restart aircraft from 1996 & newer. FAA/PMA Approved.



7198700

Weight:	71987: 0.14 lb 71985 : 0.48 lb
Dimensions:	71987: 1.18 x 3.17 x 1.42 in. 71985: 1.38 x 3.93 x 3.10 in.
Voltage:	28 VDC
LED color:	Aviation White

EDMO#	MFR#	DESCRIPTION
7198700	01-0771987-00	LED strobe light assembly
7198517	01-0771985-17	Flasher power supply assembly

70513 SERIES INFRARED LED LIGHT EMITTER

WHELEN ENGINEERING CO, INC
EDMO# 7090504
MFR# 01-0770905-04

The 70513 Series is an IR Emitter used to identify aircraft or vehicles in the nonvisible light spectrum. A good choice when viewing objects with video or light amplification devices. Models available in a choice of 30 or 2 hertz. Assembly ships with a set of 36 flying leads.



Weight:	0.2 lb
Height:	1.4 in
Voltage:	28 VDC
Frequency:	30 Hz
LED Color:	Infrared, 890nm wavelength
Power Consumption:	9 mA @ 28 V
Lens:	Heat resistant glass

71485 SERIES LED RED & INFRARED FLASHING ANTI-COLLISION BEACONS

WHELEN ENGINEERING CO, INC

The 71485-Series is a combination Aviation Red visible and IR flashing beacon that can be surface-mounted in an area as small as 2.75 inches and has an adapter to drop into a 3.75-inch recessed mount, if needed. Nominal IR LEDs at 875 nm. Unit ships with 18 flying leads and independent control for Red and IR LED packages.



71485-50

Weight:	0.670 lb
Dimensions:	3.5 x 3.66 in
Voltage:	28 VDC
LED Color:	Aviation red & infrared
Lens:	Clear polycarbonate

EDMO#	MFR#	VOLTAGE	BASE
7148500	01-0771485-00	28 VDC	3.75 in
7148501	01-0771485-01	28 VDC	2.6 in
7148502	01-0771485-02	28 VDC	3.75 in
71485-50	01-0771485-50	28 VDC	3.75 in

70905 SERIES LED FLASHING ANTI-COLLISION BEACON

WHELEN ENGINEERING CO, INC
EDMO# 7090504
MFR# 01-0770905-04

The 70905 series anti-collision beacon is a self-contained LED flashing light assembly designed to replace existing remote-mounted strobe lights. With high-quality, long-lasting, modern LED technology, a power supply is no longer required.

- Long-life solid-state LED lights
- Vibration resistant
- No EMI or RFI



Weight:	1.2 lb
Dimensions:	4.14 x 3.66 in
Input Voltage:	28 VDC
Input Current:	0.4 A

EDMO#	MFR#	DESCRIPTION
7090504	01-0770905-04	28 VDC, MS connector
ACCESSORIES		
4990257-30	68-4990257-30	Clear Lens for 70905 Series

90520 SERIES LED ANTI-COLLISION BEACON

WHELEN ENGINEERING CO, INC

The 90520 series LED beacons are FAA TSO-compliant, self-contained LED anti-collision lights. They are meant as replacements for strobe light heads as small as the A470A with available models to replace HR self-contained beacons (HRCFA) or our legacy 70900 LED beacon.

- Mounting plate included with assembly
- Red and white LED color



90520-04

Weight:	0.65 lb (295 g)
Dimensions:	3.74 x 2.6 in
Current:	0.67 A average 3 A peak
Lens:	Clear polycarbonate

EDMO#	MFR#	DESCRIPTION
9052001	01-0790520-01	LED beacon | A470A mount and flying leads
90520-04	01-0790520-04	LED beacon | 5-hole adapter and flying leads
9052008	01-0790520-08	LED beacon | 5-hole adapter and MS connector
9052014	01-0790520-14	LED beacon | 5-hole adapter and flying leads, lower
9052051	01-0790520-51	LED beacon | A470A mount and MateNLock

71410 SERIES LED ANTI-COLLISION BEACON

WHELEN ENGINEERING CO, INC

The 71410-series LED white anti-collision beacons are FAA TSO compliant and self-contained LED lights that meet rotorcraft minimum ACL standards Class I, 150 effective Cd. These anti-collision lights replace Whelen's HRCFA/SACF style strobe units, rotating beacons, and model A470(A). Ships with 12 long flying leads, available in 28 V only.



7141001

Weight:	0.75 lb
Dimensions:	3.4 x 3.6 in
Voltage:	28 VDC
Power Consumption:	0.32 A
Lens Color:	Aviation white

EDMO#	MFR#	MOUNT	CONNECTOR
7141001	01-071410-01	2.75 in	–
7141008-18	01-0771410-08/-18	5 in plate	MS connector
7141015	01-0771410-15	3.66 in lower mount	–

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71080 SERIES LED ANTI-COLLISION BEACON

WHELEN ENGINEERING CO, INC

The model 71080-Series LED beacons are self-contained LED anti-collision lights designed to replace existing beacons that use a 2-1/2 diameter footprint as well as remote-mounted strobe lights (which allows for the removal of the strobe power supply). The 71080 series is designed to replace a range of products; please refer to the mounting specifications below.



7108008

Weight:	0.6 lb
Dimensions:	3.64 x 2.6 x 4.61 in
Voltage:	28 VDC
Current:	0.28 Amps average
LED Color:	Aviation red
Lens:	Aviation clear, polycarbonate
Approvals:	FAA TSO-C96a Class I

EDMO#	MFR#	AIRCRAFT TYPE
14 V		
7108051	01-0771080-51	Fixed wing
7108055	01-0771080-55	Fixed wing
28V		
7108001	01-0771080-01	A470A mount
7108005	01-0771080-05	Rotorcraft
7108008	7108008	Helicopter
7108014	01-0771080-14	Helicopter
7108018	7108018	Helicopter
7108008-18	01-0771080-08/-18	LED beacon

70905 SERIES LED ANTI-COLLISION BEACON

WHELEN ENGINEERING CO, INC
EDMO# 7090501
MFR# 01-0770905-01

The model 70905 series are self-contained anti-collision lights for rotocraft that do not require an external power unit. All units in this series meet the minimum requirements stated in FAR parts 27 and 29 for anti-collision light systems used on rotorcraft, Ref: Class I (150 effective candela) of SAE AS8017a minimum performance. Part 7090501 replaces existing beacons with a 5-hole mounting pattern on a 4.656 diameter bolt circle and incorporates an MS3102R10SL-3P connector for input.



Weight:	1.4 lb
Dimensions:	4.04 x 3.66 in
Voltage:	28 VDC
Current:	0.45 Amps
LED Color:	Aviation red

EDMO#	MFR#	DESCRIPTION
7090501	01-0770905-01	28 VDC, MS connector
ACCESSORIES		
4990257-30	68-4990257-30	Clear Lens for 70905 Series

ORION 360 LED ANTI-COLLISION BEACON

WHELEN ENGINEERING CO, INC

ORION 360 Beacons are the 4th generation of LED beacons for fixed-wing aircraft. These are designed to replace legacy 2.6" and 3.75" round beacons. ORION 360 beacons are lower profile than legacy products by 60%.

- Low profile
- For fixed-wing aircraft



OR36R1N

Weight:	0.3 lb
Voltage:	14/28 VDC
Current:	0.53 Amps
Pulse	2.8 Amps
Flashrate	45± 4 FPM
LED Color:	Aviation red

EDMO#	MFR#	VOLTAGE	BASE
OR36R1N	01-0772010-50	14V	2.6 in.
010772010-	01-0772010-52	14V	3.75 in.
OR36R2N	01-0772010-10	28V	2.6 in.
ACCESSORIES			
28V150W	34-0226010-91F	Replacement 28V, 150W lamp	

90724 SERIES LED ANTI-COLLISION BEACONS

WHELEN ENGINEERING CO, INC

The model 90724 Series is a self-contained LED anti-collision beacon. It's solid-state circuitry and LED light source obsolete the "old style" mechanical oscillating beacons as well as the Whelen 90044 Series quartz halogen flashing beacons. Benefits include no EMI/RFI, no inrush current spikes, and crisp on-off cycles.



9072419

Weight:	1.8 lb (816 g)
Exposed Height:	2.70 in (69mm)
Voltage:	28 VDC
Current:	0.45 Amps
LED Color:	Aviation RED
Lens:	Clear glass
Replaces:	Whelen: 90044 Series Grimes: G9950, 40-0100, 30-2140, 40-0117, 40-0127, 30-2647

EDMO#	MFR#	MOUNT	HOLES
9072411	01-0790724-11	Lower	5
9072412	01-0790724-12	Upper	5
9072413	01-0790724-13	Rudder	5
9072414	01-0790724-14	Lower	5
9072415	01-0790724-15	Lower	5
9072416	01-0790724-16	Upper	5
9072417	01-0790724-17	Lower	5
9072418	01-0790724-18	Upper	8
9072419	01-0790724-19	Lower	8

90852 SERIES QUARTZ HALOGEN FLASHING ANTI-COLLISION LIGHTS

WHELEN ENGINEERING CO, INC

Self-contained, 150 watt, quartz halogen flashing anti-collision light. Factory installed on Lear 31, Falcon 900 and Cessna Citation X. It is also a direct replacement for oscillating beacons on most corporate aircraft.



9085205

Weight:	0.98 lb
Voltage:	28 VDC
Current:	0.32 Amps
Pulse:	2.4 Amps
Flash Rate:	45± 5 FPM
LED Color:	Aviation red

EDMO#	MFR#	MOUNTING SPECIFICATION
9085205	01-0790852-05	5-hole lower
9085206	01-0790852-06	5-hole upper
908525D	01-0790852-5D	8-hole lower

90088 SERIES QUARTZ HALOGEN FLASHING ANTI-COLLISION LIGHTS

WHELEN ENGINEERING CO, INC

Self-contained, 150 watt, quartz halogen flashing anti-collision light. Factory installed on Lear 31, Falcon 900 and Cessna Citation X. It is also a direct replacement for oscillating beacons on most corporate aircraft.



Voltage:	28 VDC (operation from 22-32 VDC)
Current:	0.56 Amps
Pulse:	3 Amps
Flashrate:	45± 5 FPM
Color:	Aviation red

EDMO#	MFR#	MOUNTING SPECIFICATION
7900883	01-0790088-03	5-hole lower
7900884	01-0790088-04	5-hole upper

71110 SERIES LED ANTI-COLLISION/ POSITION LIGHT ASSEMBLY

WHELEN ENGINEERING CO, INC
EDMO# 7111008
MFR# 01-0771110-08F



Model 71110 Series is a wing tip mounted Strobe anti-collision/position light assembly utilizing LED's for the forward position lights. The LED's provide a significant reduction in current draw over conventional position light bulbs. The Strobe light lens assembly is radio shielded for maximum EMI/RFI protection. Direct replacement (Exact Footprint) for the Whelen Model A650PG/PR series without replacing the current strobe power supply. Navigation light portion is wired with flying leads. RFI shielded

Weight:	0.05 lb
Current:	0.25 amps

EDMO#	MFR#	VOLTAGE	COLOR
7111001	01-0771110-01	14V	Green
7111002	01-0771110-02	14V	Red
7111003	01-0771110-03	28V	Green
7111008	01-0771110-08F	28V	Red

ORION SERIES LED ANTI-COLLISION/ POSITION LIGHTS

WHELEN ENGINEERING CO, INC



OR5001V OR6001R OR6501G OR6502RE

The Orion 650/650E/600/500 series are self-contained, position/anti-collision lights equipped with super-bright LEDs and a replaceable, hard-coated polycarbonate lens to maintain maximum light output. These LED position/anti-collision lights eliminate the need for external flasher boxes, and they are flush mountable and able to accommodate a wide variety of applications. The 650 series is for wingtip mounting, the 650E series is for embedded wingtip mounting, the 600 series is designed for forward and tail position mounting, and the 500 series is designed for mounting on the tail.

EDMO#	MFR#	VOLTAGE	MOUNT	COLOR
ORION 500				
OR5001V	01-0771774V01	14 VDC	Vertical Tail	White
OR5002V	01-0771774V02C	28 VDC	Vertical Tail	White
ORION 600				
OR6001G	01-0771733-01	14 VDC	Wingtip/Tail	Green/White
OR6001R	01-0771733-02	14 VDC	Wingtip/Tail	Red/White
OR6002G	01-0771733-11	28 VDC	Wingtip/Tail	Green/White
OR6002R	01-0771733-12	28 VDC	Wingtip/Tail	Red/White
ORION 650				
OR6501G	01-0790725-01	14 VDC	Wingtip	Green
OR6501R	01-0790725-02	14 VDC	Wingtip	Red
OR6502G	01-0790725-11	28 VDC	Wingtip	Green
OR6502R	01-0790725-12	28 VDC	Wingtip	Red
ORION 650E				
OR6502GE	01-0790701-11C	28 VDC	Wingtip	Green
OR6502RE	01-0790701-12c	28 VDC	Wingtip	Red
ACCESSORIES				
151080-100	19-151080-100	Retainer for Orion 500 Series		
251094-01	01-0251094-01	Clear lens with hard coat for Orion 650 Series		
4971801A30	68-4971801A30	Clear lens for Orion 650 Series		

71110 SERIES LED ANTI-COLLISION/ POSITION LIGHT ASSEMBLY

WHELEN ENGINEERING CO, INC
EDMO# 7111008
MFR# 01-0771110-08F



The model 71110 Series is a wingtip-mounted strobe anti-collision/position light assembly utilizing LEDs for the forward position lights. The LEDs provide a significant reduction in current draw over conventional position light bulbs.
The strobe light lens assembly is radio shielded for maximum EMI/RFI protection. Direct replacement (exact footprint) for the Whelen Model A650PG/PR series without replacing the current strobe power supply. The navigation light portion is wired with flying leads. RFI shielded.

Weight:	0.05 lb
Current:	0.25 amps

EDMO#	MFR#	VOLTAGE	COLOR
7111001	01-0771110-01	14V	Green
7111002	01-0771110-02	14V	Red
7111003	01-0771110-03	28V	Green
7111008	01-0771110-08F	28V	Red

71170 SERIES LED WINGTIP ANTI-COLLISION/ POSITION LIGHT ASSEMBLY

WHELEN ENGINEERING CO, INC



The model 71170 Series is an all LED wingtip anti-collision/forward position light assembly. The design is intended to be mounted behind an existing lens and is operated by an external flasher/current source box. Unit complies with TSO-C96a Class II (400 ecp) anti-collision light requirements, and TSO-C30c forward position light requirements.

- Connector: MIL D38999/20F13-8PN

7117001

Weight:	0.45 lbs
Dimensions:	2.33 x 3.97 x 1.77 in (includes mounting flange)
Voltage:	28 VDC
Current:	0.53 Amps avg. 2.8 Amps Peak @ 0.25 sec

EDMO#	MFR#	COLOR
7117001	01-0771170-01	Green
7117002	07-0771170-02	Red

90777 SERIES LED ANTI-COLLISION/POSITION LIGHT ASSEMBLY

WHELEN ENGINEERING CO, INC



90777R0

The 90777 Series Hyperion/Orion LED position, anti-collision, and recognition light assembly is designed as a drop-in replacement for the 90029 series lights used in Beech Barons, King Airs, and Super King Airs aircraft. The Hyperion/Orion series provides a host of upgrades including longer life, less weight, 30% greater brightness, and 70% less power consumption. These lighting assemblies are available with or without the recognition light.

- Operates on 28 volts
- Has a colored position light and an anti-collision light with a recognition light
- Drop-in replacement for the 90029/90026 series for Beech Barons, King Airs, and Super King Airs aircraft
- Long-life performance
- Less weight
- 30% brighter and 70% less power consumption over previous models
- TSO-C30C and TSO-C96A approved

Weight:	0.45 Lbs
Height:	2.33 x 3.97 x 1.77 in (includes mounting flange)

EDMO#	MFR#	COLOR	VOLTAGE
90777L0	01-0790029-04	Red	28 VDC
90777R0	01-0790777-I0	Green	28 VDC

WINGTIP ANTI-COLLISION/POSITION LIGHT STROBE SYSTEM

WHELEN ENGINEERING CO, INC
EDMO# A650
MFR# 01-0770053-00



White strobe light only, to be added to existing Type E "tear drop" navigation light. Fits most Grimes model E lights and Whelen WIZ85 lights. A650 strobes provide an economical & practical means to update a lighting system on both home-built and certificated aircraft.

Weight:	0.27 lb
Dimensions:	3.75 in height x 2.65 in diameter
Power Consumption:	2.7 Amps @ 14 VDC 1.3 Amps @ 28 VDC

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POSITION LIGHTS

MICROBURST PLUS SERIES LED WINGTIP LIGHT ASSEMBLY

WHELEN ENGINEERING CO, INC



MB3K

The Microburst Series LED Wingtip Light Assemblies provide navigation and anti-collision functions just like the original assemblies but with an updated internal optic reflector design. The new reflector not only improves the aesthetics; it also provides greater light output performance in the same package. Look to Whelen Aerospace Technologies (WAT), with more than fifty years of experience in aviation lighting and the acknowledged pioneers in the development of LED technology, for state-of-the-art lighting for your experimental or LSA aircraft.

- Economically priced
- 14 VDC
- Low current, long life, lightweight
- Self-contained (no external power supply needed)
- Aerodynamic with vibration and moisture resistance
- Synchronizable
- Replaceable lenses
- Super bright, rivaling strobe in impact
- Available with CometFlash®, the lighting concept that revolutionized aviation lighting

EDMO#	MFR#	DESCRIPTION
MB2G	01-0771519-01	Microburst LED wingtip light assembly | Green, 14 VDC
MICROBURST KITS		
MB2K	01-0471519-000	Microburst II kit | Includes one MB2G (Green) and one MB2R (Red)
MB3K	01-0471507-00A	Microburst III kit | Includes one MB3G (Green) and one MB3R (Red)

LED WINGTIP LIGHT ASSEMBLY

PWI



This aircraft light is designed to be a direct-fit replacement LED wingtip light for upgrading the aircraft's standard lighting. Fully assembled and tested, this light is ready to install. The LED lights provide more light with less heat, with less current draw, saving the lamp lens from warping and discoloration. At five times the brightness of standard aircraft lighting, these LED lights provide improved visibility while on the ground and in the sky.

- Designed for the Beechcraft 90, B200/250, 300, and 1900 aircraft
- STC approved
- Plug-and-Play install
- Low current draw
- Five times brighter than standard bulbs
- 100,000-hour LED service life
- Maintenance-free

Dimensions:	17 x 2.3 x 5 in

EDMO#	MFR#	POSITION
6900445001	6900445-001	Left Wing
6900446002	6900446-001	Right Wing

71741 LED FORWARD POSITION LIGHT

WHELEN ENGINEERING CO, INC

EDMO# 7174101
MFR# 01-0771741-01



The model 71741 series is an LED Forward Position Light with an IR emitter for covert operations. The IR emitter circuit is identical to the 70513 Series product; the IR portion is generally much brighter than specified in MIL 3009 and allows for more distant viewing. Aircraft that are looking to add covert lighting to the traditional three-hole mounting pattern can find this combination easily allows for a mechanical retrofit.

Weight:	0.25 lb
Dimensions:	3.95 x 2.02 x 2.02 in
Voltage:	28 VDC
Current:	1.8 A
LED Color:	Aviation Green

70875 LED FORWARD POSITION LIGHT

WHELEN ENGINEERING CO, INC



The 70875 is designed as a high-quality, long-lasting, modern alternative to incandescent & halogen forward position lights. Also, the 70875 series offers significant technological upgrades over previous products. Utilizing LED (Light Emitting Diode) technology significantly reduces operating costs.

Weight:	0.26 lb
Dimensions:	1.39 x 3.92 in
Voltage:	28 VDC
Current:	0.35 A

EDMO#	MFR#	LED COLOR/DESCRIPTION
7087501	01-0770875-01	Green
ACCESSORIES		
7087330	68-3970873-30	Clear Lens for 70875 Series

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70963 SERIES LED POSITION LIGHT

WHELEN ENGINEERING CO, INC

The model 70963 series is designed to replace existing incandescent & halogen position lights used on most business and commuter jets. The benefits of LED technology will drastically reduce operating costs and improve reliability over the existing lighting. The 70963 series is warranted to comply with FAA color & light output regulations for 5 years or 10,000 hours.



9052008

Weight:	0.25 lb (113 g)
Dimensions:	2.10 x 1.98 in
Voltage:	28 VDC
Current:	0.3 A

EDMO#	MFR#	LED COLOR
7096305	01-0770963-05	Green
7096306	01-0770963-06 (G)	Red
90520-04	01-0790520-04	Green
9052008	01-0790520-08	Red

71105 SERIES LED POSITION LIGHTS

WHELEN ENGINEERING CO, INC

The 71105 series are fully FAA TSO-compliant forward position lights equipped with LEDs for reduced current draw over conventional light bulbs. These LEDs are designed as a direct replacement for Whelen Model W1285 series lights.



7110503

Weight:	0.25 lb
Dimensions:	2.7 in
Current:	0.25 A

EDMO#	MFR#	LED COLOR
14 VOLT		
7110501	01-0771105-01	Green
7110502	01-0771105-02	Red
28 VOLT		
7110503	01-0771105-03A	Green
7110504	01-0771105-04A	Red
RFI SHIELDED, 28V		
7110512	01-0771105-12	Red

77190 SERIES POSITION LIGHTS

WHELEN ENGINEERING CO, INC



771900-G1



0771900-R1

EDMO#	MFR#	COLOR
14 VDC		
771900-G1	01-077190-G1	Green
0771900-R1	0771900-R1	Red
28 VDC		
771900-G2	01-0771900-G2	Green
771900-R2	01-0771900-R2	Red

WINGTIP POSITION LIGHT

WHELEN ENGINEERING CO, INC
EDMO# W1285PR28
MFR# W1285PR2 / 01-0770001-52

Wingtip position light, which uses a 26-watt incandescent lamp. It is a direct replacement for the brand G A1285 Series. Manufactured of non-magnetic materials.



W1285PR28

Weight:	0.2 lb
Dimensions:	1.25 x 4 in
Voltage:	28 VDC
Current:	1 A
Color	Red

A650 SERIES WINGTIP POSITION LIGHT

WHELEN ENGINEERING CO, INC
EDMO# A650PR14
MFR# 01-0770054-02

Wingtip with anti-collision and forward position lights. Can be used to convert non-Whelen position lights into a position/anti-collision light system. The small size allows for mounting into a wingtip enclosure.



Weight:	0.6 lbs.
Dimensions:	2.4 x 1.7 x 4 in
Power Consumption:	2 A @ 14 VDC, 1 A @ 28 VDC

71554 SERIES LED TAIL POSITION LIGHTS

WHELEN ENGINEERING CO, INC

The 71554-series LED tail lights are available in horizontal or vertical mounts and fit the existing footprint for Whelen Models A555A and 71011 tail lights.



7155402

Weight:	0.14 lb
Dimensions:	1.4 x 1.59 x 2.07 in
Power Consumption:	0.13 A @ 28 VDC, 0.26 A @ 14 VDC
LED Color:	Aviation White

EDMO#	MFR#	MOUNTING SPECIFICATIONS
7155401	01-0771554-01	Horizontal mount | Flying leads, 28V
7155402	01-0771554-02G	Vertical mount | Flying leads, 28V
7155403	01-0771554-03	Vertical mount | Pin and ring terminals, 28V
7155412	01-0771554-12	Vertical mount | 14V

TAXI, LANDING & RECOGNITION LIGHTS

LED ICE LIGHT

PWI

The PWI LED Ice Light features many improvements over incandescent bulbs A7079B24, MS25338-7079, and WA7079B24. Compared to other replacement LED ice lights, the PWI LED Ice Light provides 210 more lumens, which aids in the visibility of ice formation. It also provides up to 100,000 hours of life compared to only 165 hours of life available with incandescent bulbs. Other enhancements include a significant reduction in power draw, as well as eliminating the radiant heat that comes with factory-installed bulbs. Less heat means less lens discoloration, cracking, and warping over the life of the light.



7310009-00

- Better visibility during taxiing and takeoff
- Very low power requirements
- Significant reduction in heat eliminating lens degradation
- Direct drop-in replacement for incandescent bulb
- Beam angle FWHM 8
- Threaded mount
- Vibration resistant
- Replaces Part A7079B24, MS25338-7079, and WA7079B24

Weight:	56 g
Dimensions:	2.37 x 1.6 in
Lamp Base:	BA155
Lumens:	730
Power:	5.6 W
Operating Temperature:	-55°C to 70°C
Operation Life:	100,000 hr
Current Draw:	200 mA @ 28 VDC

EDMO#	MFR#	DESCRIPTION
7310009-00	7310009-000	LED Ice Light | Bayonet Mount
7310045-00	7310045-000	LED Ice Light | Threaded Mount

EXTERNAL LED LOGO LIGHT

PWI
EDMO# 7310050-00
MFR# 7310050-000



This LED logo light offers Beech King Air 1900 owners and operators an external LED option for the logo light bulb. With twice the light output, this LED direct replacement bulb provides a long 100,000-hour life to illuminate the vertical tail surface. Also, this LED logo light provides additional visibility of the side of the aircraft, especially while it is on the ground.

- Plug-and-play installation
- 100,000 hour long life LED
- High-light output
- Low power draw
- Accurate color presentation

LED:	11.2 Watts, 1500 Lumens
Bulb:	75 Watts, 1100 lumens
Compatible Aircraft:	Beechcraft: King Air 90 series, 200 series, B200/250, 300, B300/350; 1900 Series Cessna: Citation X 750 (PN 34A0228070-67)

PARMETHEUS™ PLUS SERIES LED LANDING LIGHTS

WHELEN ENGINEERING CO, INC

The Parmetheus™ Plus series LED landing lights are drop-in replacements for outdated halogen or HID lamps. The Parmetheus™ Plus lights are 40% brighter than the original Parmetheus™ lights and are lightweight, low current, moisture resistant, and capable of providing stable light for thousands of hours.



P36P1L

- Equipped with Whelen TIR (Total Internal Reflector) technology, the drop-in design incorporates
- Moisture-resistant design with a hard-coated, polycarbonate outer lens

Weight:	0.52 lb (PAR36), 1 lb (PAR46)
Dimensions:	4.38 round × 1.75 in face to screw terminal (PAR 36) 5.65 round × 2.25 in face to screw terminal (PAR 46)
Amperage:	0.68 amps @ 28 VDC (P36P2L/2T) 1.36 amps @ 14 VDC (P36P1L/1T) 1.3 amps @ 28 VDC (P46P2L) 2.6 amps @ 14 VDC (P46P1L)
Beam Candlepower:	P36 landing: 60,000 , P36 taxi: 15,000 , P46: 105,000

continued on next page

EDMO#	MFR#	VOLTAGE	TYPE
PAR36			
P36P1L	01-0771833-10B	14 VDC	Landing | Spot light, 10°
P36P1T	01-0771833-15B	14 VDC	Taxi | Spreader optic, 40°
P36P2L	01-0771833-20B	28 VDC	Landing | spot light, 10°
P36P2T	01-0771833-25B	28 VDC	Taxi | Spreader optic, 40°
PAR46			
P46P1L	01-0790750-10	14 VDC	Landing | Spot light, 10°
P46P2L	01-0790750-20	28 VDC	Landing | Spot light, 10°
ACCESSORIES			
68-3791486	68-3971486A30	Clear Non-Optic replacement PAR-36 Lens	
38-0240197	38-0240197-00	PAR36 gasket | Black	
15-045216-	15-045216-068	Screw | 4 x 3/8 PFH plasti-loc SS w/nyseal	

PARMETHEUS™ G3 LANDING LIGHT

WHELEN ENGINEERING CO, INC
EDMO# P36G3L
MFR# 01-0772102-10



The Parmetheus G3 continues to provide leading performance and value and offers 2.5 times more light output than the Parmetheus Plus aircraft lights. The G3 series retains the same form and fit as legacy drop-in LED replacement lights and is available for PAR-36 landing and taxi lights. The G3 aircraft lights operate on dual voltages of 14 and 28 VDC.

- High-intensity LED aircraft lighting
- 2.5x more light than Parmetheus Plus lights
- G3 series retains the same form and fit as legacy LED replacements.
- Dual voltage operation (14 VDC & 28 VDC)
- FAA STC Approved

Weight:	0.8 lb
Dimensions:	4.38 x 2.05 in
Max. Current:	3.8A @ 14 VDC, 1.9A @ 28 VDC
Compatibility:	All pulse light modules

90195 SERIES FIXED LANDING LIGHT

WHELEN ENGINEERING CO, INC
EDMO# 9019500
MFR# 01-0790195-00D



A fixture that accommodates a standard PAR-36 lamp assembly, available with or without a lamp.

Weight:	0.5 lb
Dimensions:	4.88 x 3.03 in

INTERIOR LED LANDING LIGHT

WHELEN ENGINEERING CO, INC
EDMO# 9043300
MFR# 01-0790433-00



The model 90433 is a 6" round, internal (non-weatherized) LED illumination product. It is styled after a PAR-46 lamp & housing internal combination. 90433 cannot 'fit' in place of a 6" light bulb; technology considerations require a stand-alone approach requiring a degree of customization to the aircraft.

Weight:	1.7 lb
Dimensions:	5.75 x 2.61 in
Current:	2 Amps
LED Color:	Aviation White

71125 SERIES LED RECOGNITION LIGHT

WHELEN ENGINEERING CO, INC



7112522

The model 71125 series LED recognition light provides supplemental lighting for several aircraft applications. These lights withstand vibration, require low current draw, produce no EMI/RFI, and produce little heat. These lights are available with several different beam spreads and are designed to replace the Whelen A775 series. They can be used in conjunction with the 71115 flasher control assembly.

Weight:	0.3 lb
Dimensions:	3.25 x 1.25 x 1.95 in
Power Consumption:	0.9 A @ 14 VDC, 0.45 A @ 28 VDC
LED Color:	Aviation White

EDMO#	MFR#	BEAM SPREAD
7112522	01-0771125-22	90 degree
7112523	7112523	30 degree

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LIGHT WEDGES

NULITE LIGHT WEDGES

NULITE INSTRUMENT LIGHTING SYSTEMS



LW2014 LW3005 NV3028A

NULITE aircraft instrument lighting creates the same lighting appearance as internal lighting kits without the cost and install time. Sandwiched between the instrument and the panel, they reduce glare and hot spots by concentrating 60% of the light on the upper half of the instrument—all focused by a unique bezel that directs light toward the instrument, not the pilot.

- Available in two configurations, light wedges and light bars

EDMO#	MFR#	VOLTAGE	DESIGN
INCANDESCENT 2-1/4 IN			
LW2005	LW2005	5V	No cutout
LW2014	LW2014	14V	No cutout
LW2014A	LW2014A	14V	Left cutout
LW2014AA	LW2014AA	14V	Altimeter cutout
LW2014B	LW2014B	14V	Right cutout
LW2028	LW2028	28V	Not cutout
LW2028A	LW2028A	28V	Left cutout
LW2028AE	LW 2028-AE	28V	Left cutout/ American Eurocopters
LW2028B	LW2028B	28V	Right cutout
INCANDESCENT 3-1/8 IN			
LW3005	LW3005	5V	No cutout
LW3005A	LW3005A	5V	Left cutout
LW3005V	LW3005V	5V	Vsi cutout
LW3014	LW3014	14V	No cutout
LW3014A	LW3014A	14V	Left cutout
LW3014AA	LW3014AA	14V	Altimeter cutout
LW3014AB	LW3014AB	14V	Left & right double cutout
LW3014B	LW3014B	14V	Right cutout
LW3014V	LW3014V	14V	VSI cutout
LW3028	LW3028	28V	No cutout
LW3028A	LW3028A	28V	Left cutout
LW3028AA	LW3028AA	28V	Altimeter cutout
LW3028AB	LW3028AB	28V	Left & right double cutout
LW3028B	LW3028B	28V	Right cutout
LW3028V	LW3028V	28V	VSI cutout
LED 2-1/4 IN			
LW2034	LW2034	14V	No cutout
LW2034A	LW2034A	14V	Left cutout
LW2034B	LW2034B	14V	Right cutout
LW2038	LW2038	28V	No cutout

Call or go online to see all light wedge options.

Call or go online to see all light wedge options.



EDMO#	MFR#	VOLTAGE	DESIGN
LW2038A	LW2038A	28V	Left cutout
LED 3-1/8 IN			
LW3034	LW3034	14V	No cutout
LW3034A	LW3034A	14V	Left cutout
LW3034AA	LW3034AA	14V	Altimeter cutout
LW3034AB	LW3034AB	14V	Left cutout
LW3034B	LW3034B	14V	Right cutout
LW3034V	LW3034V	14V	VSI cutout
LW3038	LW3038	28V	No cutout
LW3038A	LW3038A	28V	Left cutout
LW3038AA	LW3038AA	28V	Altimeter cutout
LW3038AB	LW3038AB	28V	Left & right double cutout
LW3038B	LW3038B	28V	Right cutout
LW3038V	LW3038V	28V	VSI cutout
NVIS 3-1/8 IN			
NV3028	NV3028	28V	No cutout
NV3028A	NV3028A	28V	Left cutout
NV3028AA	NV3028AA	28V	Altimeter cutout
NV3028AB	NV3028AB	28V	Left & right cutout
NV3028B	NV3028B	28V	Right cutout

Call or go online to see all light wedge options.

LED LIGHT WEDGE AND MAXDIM BUNDLE

NULITE INSTRUMENT LIGHTING SYSTEMS



LED light wedge and dimmer starter kits from Nulite come in 14-volt and 28-volt configurations. The 14 Volt kits include two (2), 3-1/8-inch LW3034 and one (1), 3-1/8-inch LW3034AA light wedges, plus one (1) MaxDim Dimmer controller from Seaton Engineering. The 28-volt kits include two (2) 3-1/8-inch LW3038 light wedges and one (1) 3-1/8-inch LW3038AA light wedge, plus one (1) MaxDim Dimmer controller from Seaton Engineering. Nulite LED aircraft instrument lights use bright, long-lasting LEDs inside of a special bezel that focuses light toward the instrument, rather than toward the pilot's eyes.

EDMO#	MFR#	DIMMER
14 VOLT KITS		
NUL314	NUL314	Single Control Dimmer
NUL314-D	NUL314-DUAL	Dual Control Dimmer
28 VOLT KITS		
NUL328	NUL328	Single Control Dimmer
NUL328-D	NUL328-DUAL	Dual Control Dimmer

ELECTRO-LUMINESCENT INSTRUMENT LIGHTING WEDGES

U M A INC



2-20-W

UMA's instrument lighting systems use an electro-luminescent light strip (EL) housed within an easy-to-install bezel. The EL strip consists of a black injection-molded enclosure containing semiconductor crystals that convert electrical energy directly into light energy. The strip draws very low current, produces very little heat, and is available in multiple colors (see table below). The bezel itself is easy to install; it can either be placed between the instrument and the panel or between the instrument panel and the overlay.

- Exceptionally long life, lightweight, bulb-free, dimmable design, 360° lighting

EDMO#	MFR#	COLOR	DESIGN
2-1/4 IN			
2-20-W	2-20-W	White	Knob cutout
2-21-G	2-21-G	Green	No cutout
2-21-W	2-21-W	White	No cutout
3-1/8 IN			
2-30-W	2-30-W	White	Knob cutout
2-31-G	2-31-G	Green	No cutout
2-31-W	2-31-W	White	No cutout
2-34-G	2-34-G	Green	Double cutout
2-34-W	2-34-W	White	Double cutout
2-35-G	2-35-G	Green	Not cutout
2-35-W	2-35-W	White	VSI
ACCESSORIES			
10-700-05	10-700-05	Light wedge inverter | 5V	
10-700-14	10-700-14	Light wedge inverter | 14V	
10-700-28	10-700-28	Light wedge inverter | 28V	
1G01-1	1G01-1	1kΩ dimmer switch with on/off position	
1G02	1G02	Pin kit	

DIMMERS

LD12 SERIES LIGHT DIMMER

CANYON AEROCONNECT



LD12-001



LD12_IKC

The LD12 light dimmer series are remote-mounted modules for use in GPS systems. These units control up to 12 independent lamps with a full test function. The LD12 can output up to 1 amp of current when used as a bulk lamp dimmer.

- Adjustable lamp dimmer drives twelve separate 28 VDC/50 mA lamp lines
- Dimmer can be operated in the preset mode (12-24 V range) or as an adjustable dimmer using an external control; a single switch can select day, night, and lamp test functions
- Day operation mode provides regulated 24 VDC for all lamps to prevent early lamp failure and internal lamp blackening from excessive voltage
- Gold-plated interconnect and relay contacts
- Relays are sealed, dry nitrogen-filled units rated for high vibration
- Circuit boards are made with G10-FR flame-retardant material and solder

EDMO#	MFR#	DESCRIPTION
LD12-001	LD12-001	Light dimmer | 12 circuits
LD12-002	LD12-002	Light dimmer
ACCESSORIES		
LD12-IKC	D50SV-IKC	LD12 install kit/crimp

IF TIME IS MONEY, MEET THE PANEL CONTROLLERS THAT SAVE YOU BOTH.

MaxDim
Instrument Panel Dimmer



FAA PMA/STC Approved Panel Controllers
For Use in Certified Aircraft

MiniDim
Instrument Panel Dimmer



MaxPulse
Landing Light Controller



MicroDim
Instrument Panel Dimmer



The Best Panel Controller
For Experimental Aircraft

SEATON
ENGINEERING

SEATONENG.COM
509-644-0090

Designed, fabricated, and assembled in the USA
Tested to meet the EMI requirements for RTCA/DO-160E

Our solid-state panel controllers, MaxDim and MaxPulse, are the industry's most advanced dimming and landing light control systems. Best of all, they come with a long list of certifications to reduce paperwork and save you time! Available for any type of aircraft panel, each is a complete solution with a long list of advantages:

- Most models are PMA approved with an extensive STC AML
- AMOC for Cessna AD 93-24-15
- Eliminates the need for a heat sink or external cooling
- Compact in size and ultra-lightweight
- Self-contained and easy to install
- Generates no EMI or relay noise
- Custom packaging and connector options to fit any OEM or retrofit application
- Long, trouble-free operating life

MAXPULSE LANDING LIGHT CONTROL UNIT

SEATON ENGINEERING CORP

The MaxPulse aircraft landing light pulser can be set to different pulse periods, provides wig-wag control, and can be used with standard incandescent, halogen, high-intensity LED lamps, and other lighting technologies. DO-160G EMI tested and full STC-PMA approval.



9200-000-A

Weight:	1 oz
Dimensions:	1.6 x 1.6 in
Voltage/Current:	12-35 VDC, 20 A total, 0-10 A per circuit
Function Modes:	X - both circuits off S - starboard (right) on only P - port (left) on only S+P - both circuits On A44 - alternate 44 PPM (STD) B44 - both flash 44 PPM A88 - alternate 88 PPM A120 - alternate 120 PPM

EDMO#	MFR#	CONNECTORS
9200-000-A	9200-000-A	Spade terminals
9200-000-B	9200-000-B	Ring terminals

MAXDIM PWM LIGHTING CONTROLLERS

SEATON ENGINEERING CORP



9100-001-A



9100-001-C

Ideal for aircraft lighting and instrument panels, the MaxDim solid-state lighting controllers/dimmers have hundreds of DC lighting control applications. MaxDim controllers can be used with standard incandescent, halogen, pre-inverter electroluminescent strips, high-intensity LED lights, Nulites, and cabin glare shield LED strips. DO-160G EMI tested and full STC-PMA approval.

Weight:	0.58 oz
Dimensions:	Single: 1.25 x 1.25 in, Dual: 1.6 x 1.6 in
Voltage/Current:	Single: 12–35 VDC @ 12.5 A, Dual: 12–35 VDC @ 15 A

EDMO#	MFR#	CHANNELS	CONNECTORS
9100-001-A	9100-001-A	Single	Spade terminals
9100-001-B	9100-001-B	Single	Ring terminals
9100-001-C	9100-001-C	Dual	Spade terminals
9100-001-D	9100-001-D	Dual	Ring terminals

MAXDIM PWM MINI LIGHTING CONTROLLERS

SEATON ENGINEERING CORP



9100-001-E



9100-001-F

The MaxDim Mini is a compact, lightweight, solid-state dimmer that is ideal for tight panel spaces. Provides control for LEDs, Nulite dimmers, UMA dimmers, and Avion Glare shield dimmers as well as hundreds of other DC lighting applications. Complies with Cessna AD 93-24-15 regarding cockpit fires. DO-160G EMI tested and full STC-PMA approval.

Weight:	0.58 oz
Voltage/Current:	12–35 VDC @ 5 A

EDMO#	MFR#	CHANNELS	CONNECTORS
9100-001-E	9100-001-E	Single	Ring terminals
9100-001-F	9100-001-F	Dual	Ring terminals

MICRODIM INSTRUMENT PANEL LIGHT DIMMERS

SEATON ENGINEERING CORP

Seaton's smallest panel dimmers, the MicroDim lighting controllers, provide excellent LED lighting control, making them ideal for night vision use in helicopters. They are compatible with Nulites, UMA dimmers, Avion glare shield dimmers, and LED-lit panels. DO-160G EMI tested. For experimental use.



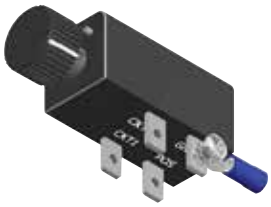
9100-001-I

Weight:	1.31 oz
Dimensions:	Panel label: 1.5 in dia., Control unit: 0.9 x 0.9 x 2.85 in
Voltage:	5-35 VDC @ 7.5 A
Max Current:	10 A
Connector:	Ring Terminal

EDMO#	MFR#	DESCRIPTION
9100-I-I6	9100-001-I Opt I-6	Single Dimmer Optimized for Incandescent Lighting, 6mm Bushing (< 2.2mm Panel Thickness)
9100-I-L6	9100-001-I Opt L-6	Single Dimmer Optimized for LED Lighting, 6mm Bushing (< 2.2mm Panel Thickness)
9100-I-I11	9100-001-I Opt I-11	Single Dimmer Optimized for Incandescent Lighting, 11mm Bushing (> 2.2mm Panel Thickness)
9100-I-L11	9100-001-I Opt L-11	Single Dimmer Optimized for LED Lighting, 11mm Bushing (> 2.2mm Panel Thickness)
9100-JII6	9100-001-J Opt II-6	Dual Dimmer Optimized for Incandescent Lighting on Both Channels, 6mm Bushing (< 2.2mm Panel Thickness)
9100-JLL6	9100-001-J Opt LL-6	Dual Dimmer Optimized for LED Lighting on Both Channels, 6mm Bushing (< 2.2mm Panel Thickness)
9100-JII11	9100-001-J Opt II-11	Dual Dimmer Optimized for Incandescent Lighting on Both Channels, 11mm Bushing (> 2.2mm Panel Thickness)
9100-JLI11	9100-001-J Opt LI-11	Dual Dimmer Optimized for Incandescent Lighting on One Channel and LED Lighting on the Other, 11mm Bushing (> 2.2mm Panel Thickness)
9100-JLL11	9100-001-J Opt LL-11	Dual Dimmer Optimized for LED Lighting on Both Channels, 11mm Bushing (> 2.2mm Panel Thickness)
9100-J-SWP	9100-001-J Opt SWP	Dual Channel–One Dimming and One +V Switching, Short Wing Piper, 6mm Bushing (< 2.2mm Panel Thickness)

MICROPULSE LANDING LIGHT CONTROL UNIT

SEATON ENGINEERING CORP
EDMO# 9100-001-M
MFR# 9100-001-M



The MicroPulse landing light controller is a solid-state, compact, and lightweight lighting controller. It features dual channels and provides Wig Wag and multiple rate control for any combination of LED, incandescent, and HID lights in a compact package.

- Self-contained design requires no outboard heat sinks, boxes, or rheostats
- RTCA/DO-160G SEC 21: RFE qualified

PRESS TO TEST INDICATOR

PEERLESS ELECTRONICS

The MS25041-1 Press to Test indicator features a dimming actuator, an incandescent lamp, and a clear lens. It has a mounting hole diameter of 15/32 inch.



MS25041-1

EDMO#	MFR#	COLOR
MS25041-1	MS25041-1	Clear
MS25041-2	801-1030-0331504	Red
MS25041-3	801-1030-0332504	Green
MS25041-4	801-1030-0333504	Amber
MS25041-6	MS25041-6	Red
MS25041-7	MS25041-7	Amber
MS25041-8	MS25041-8	Amber
MS25041-10	801-1030-0334504	Blue

POST LIGHTS

714XX SERIES LED INSTRUMENT POST LIGHTS

WHELEN ENGINEERING CO, INC

The 71434, 71440, and 71450 Series LED instrument post light assemblies illuminate the instrument panel and function as instrument mounting bolts, making them a high-quality, long-lasting alternative to conventional incandescent post lights. LED lighting provides a longer operating life of approximately 20,000 hours, reduced power consumption, improved shock and vibration resistance, crisp, clear light color and temperature, and no EMI/RFI interference.

- Model 71434 is available in a 14V version with a white LED and a 28V version with white or red (replaces existing A350 and A250CN assemblies).
- Model 71450 includes a connector nut and is otherwise identical to 71434.
- Model 71440 includes a #10-32 mounting thread and includes a 28 VDC version with a white or red LED (replaces Model 70348).



71434B21

Weight:	0.037 lb
Dimensions:	0.95 in (with spacer), 0.875 in (without spacer)
Power Consumption:	0.10 mA @14 VDC & 28 VDC

EDMO#	MFR#	COLOR	POST HEIGHT	VOLTAGE
71434 SERIES				
71434B13	01-0771434B13	White	Short	14 VDC
71434B21	01-0771434B21	White	Long	28 VDC
71434B23	01-0771434B23	White	Short	28 VDC
71450 SERIES				
71450B21	01-0771450B21	White	Long	28 VDC
71450B22	01-0771450B22	Red	Short	28 VDC
71450B23	01-0771450B23	White	Short	28 VDC

70844 SERIES LED INSTRUMENT POST LIGHTS

WHELEN ENGINEERING CO, INC

The 70844 series are LED instrument post light assemblies designed to illuminate the instrument panel and function as instrument mounting bolts—making them an excellent alternative to standard incandescent post lights.

- Long life of approximately 20,000 hours
- Reduced power consumption compared to other light sources
- Shock and vibration resistant
- No EMI or RFI interference



7084400

Weight:	0.03 lb
Exposed Height:	1.12 in (with spacer), 1 in (without spacer)
Power Consumption:	0.02 A @ 14 & 28 VDC

EDMO#	MFR#	CONFIGURATION	VOLTAGE
7084400	01-0770844-000	1 in. post/nut	14V
7084401	01-0770844-010	1.5 in. post/nut	14V
7084402	7084402	1 in. post/nut	28V
7084403	01-0770844-030	1.5 in. post/nut	28V
ACCESSORIES			
70807000	70807000	LED light post hood	

A350 SERIES POST LIGHTS

WHELEN ENGINEERING CO, INC

These instrument post light assemblies illuminate the instrument panel and function as instrument mounting bolts.

- Includes connector nut



A350CNCLBK

Weight:	0.037 lb
Dimensions:	1.00 in (with spacer), 0.875 in (without spacer)
Power Consumption:	0.2 A @ 6 VDC, 0.08 A @ 14 VDC, 0.04 A @ 28 VDC
Approvals:	FAA/PMA approved

EDMO#	MFR#	LENS COLOR	POST HEIGHT	VOLTAGE
A350BKIWSH	01-0770119-03	White	1.875 in	6V
A350CN09	01-0770119-09	White	1.875 in	14V
A350CNCL	01-0770119-05	Clear	1.875 in	6V
A350CNCLBK	01-0770119-08	Clear	2.375 in	14V
A350CNCL28	01-0770119-14	Clear	2.375 in	28V
A350CNIW28	01-0770119-12	White	2.375 in	28V
A350CNIWBK	01-0770119-06	White	2.375 in	14V
A350CNSH28	01-0770119-17	Clear	1.875 in	28V
A350CNIWB	01-0770119-15	White	1.875 in	28V
A350CNRDB-	01-0770119-13	Red	2.375 in	28V
ACCESSORIES				
A343	02-0350183-00	Connector nut assembly		
A354IWBK	02-0350281-00	Post light cap assembly		

COCKPIT LIGHTING

FLEXIBLE GOOSENECK LED MAP LIGHT

OPLITE



These flexible gooseneck LED map lights feature four or six LED bulbs mounted to a six-inch, flexible gooseneck to optimize the lamp's position during use. This aviation light has a rugged construction for use in aviation in certified aircraft as well as other applications.

- 20,000-hour LED lamp life
- MIL-Spec anodized
- Precision CNC machined
- Compatible with all dimming systems

Installed Height:	7 in
Lamp Diameter	0.80 in
Thread Size:	5/16-24 x 0.25 in
Mounting Hole:	5/16 in

EDMO#	MFR#	COLOR	VOLTAGE
GN4-W24	GN4-W24	White	24 V

Call for additional options.

MAP SERIES PANEL MOUNTABLE MAP LIGHT

OPLITE



MAP6-W/R24

The MAP series panel-mountable LED map light is FAA-PMA certified for use in Cessna aircraft and features four or six LED lamps with a 20,000-hour life. These map lights are available in several configurations: all green, red, white, or blue lighting. The MAP 6 lights also have the optional configurations of three white lamps and three green, red, or blue lamps. They are easy to install and fully adjustable in two directions, or multiple directions with the gooseneck shaft. It is also compatible with all dimming systems, manufactured and tested in accordance with FAA-PMA-approved protocols for quality.

- Surface mountable
- MIL-Spec anodized construction
- Precision CNC machined

Installed Height:	7 in
Lamp Diameter:	0.80 in
Thread Size:	5/16-24 x 0.25 in
Mounting Hole:	5/16 in

EDMO#	MFR#	COLOR	VOLTAGE
4 LED MAP LIGHTS			
MAP4-B12	MAP4-B12	Blue	12 V
MAP4-R12	MAP4-R12	Red	12 V
6 LED MAP LIGHTS			
MAP6-W/R12	MAP6-W/R12	White/Red	12 V
MAP6-W/R24	MAP6-W/R24	White/Red	24 V

Call for additional options.

OPLITE SERIES LED MAP LIGHT

OPLITE



OP6-W12

The Oplite series LED map light is features four or six LED lamps with a 20,000 hour life. These map lights are available in several configurations: all green, red, white, or blue lighting. The Oplite 6 lights also have the optional configurations of three white lamps and three green, red, white, or blue lamps. They are easy to install and fully adjustable in two directions, or multiple directions with the gooseneck shaft. It is also compatible with all dimming systems, manufactured and tested in accordance with FAA-PMA approved protocols for quality.

- 20,000-hour LED lamp life
- Surface mountable
- MIL-Spec anodized construction
- Precision CNC machined
- Compatible with all dimming systems

Installed Height:	7 in
Lamp Diameter:	0.80 in
Thread Size:	5/16-24 x 0.25 in
Mounting Hole:	5/16 in

EDMO#	MFR#	COLOR	VOLTAGE
4 LED MAP LIGHTS			
OP4-R12	OP4-R12	Red	12 V
OP4-R24	OP4-R24	Red	24 V
OP4-W12	OP4-W12	White	12 V
OP4-W24	OP4-W24	White	24 V
6 LED MAP LIGHTS			
OP6-W12	OP6-W12	White	12 V
OP6-W/B12	OP6-W/B12	White/Blue	12 V
OP6-W/R12	OP6-W/R12	White/Red	12 V
OP6-W/R24	OP6-W/R24	White/Red	24 V

Call for additional options.

OPLITE SERIES LED MAP LIGHT

OPLITE



OP6-W12

The Tasklight 600 maplight installs easily into the panel and features a built-in dimmer switch and on/off switch. This map light is available in a single color mode or dual color mode: all red, all white, all blue, or all green, as well as red & white, blue & white, or green & white. These task lights are manufactured and tested to ISO 9001:2008 and AS9001C for quality and traceability.

- Built-in dimmer & On/Off switch
- Compatible with 12-volt and 24-volt systems
- Machined from high-quality CNC machined 6061T6 aluminum
- Black anodized
- Dual color models: red & white, blue & white, green & white
- Single color models: red, white, blue, and green
- Available in either a thru-panel mount or a six-inch gooseneck

Gooseneck Length:	6 in
Gooseneck Bend Diameter:	1.75 in, min.
Lamp Head Dimensions:	1.25 x 2.40 in
Thread Size:	5/16-24 x 0.25 in
Mounting Hole:	15/32 in
Approvals	Engineered in adherence to AS9100 certification

EDMO#	MFR#	COLOR	VOLTAGE
GOOSENECK			
600-GN-1-G	TASK600-GN-1-G	Green	12–24 V
600-GN1-WG	TASK600-GN-1-W/G	White/Green	12–24 V
600-GN1-WR	TASK600-GN-1-W/R	White/Red	12–24 V
PANEL MOUNT			
600-TH-1-R	TASK600-TH-1-R	Red	12–24 V
600-TH1-WR	TASK600-TH-1-W/R	White/Red	12–24 V

Call for additional options.

FLEXIBLE GOOSENECK LED MAP LIGHT

OPLITE

This surface mount adapter allows installation of a cockpit map light into a 15/32-inch thru hole.

- Mounts Oplite panel mount map lights to 15/32-in diameter thru holes.



5006-00

5004-00

Dimensions:	0.53 x 1.15 in
Mount Hole Size:	0.80 in

EDMO#	MFR#	APPLICATION	THREAD SIZE (IN)
5004-00	5004-00	Panel Mount Cockpit Lights	5/8-24
5006-00	5006-00	Gooseneck Mount Cockpit Lights	5/16-24

KING AIR 200/200T LED CABIN LIGHT UPGRADE ASSEMBLY

PWI
EDMO# 6910080011
MFR# 6910080-011

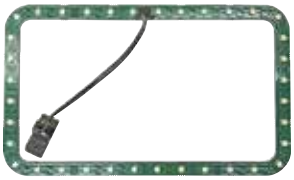


This King Air LED cabin light upgrade assembly offers a long service life with a lower power draw to King Air owners and operators. LED cabin lights fit directly above the cabin windows and replace the fluorescent bulbs while using the same connectors and dimming them using the standard cockpit controls.

- 100,000 hours of operational life
- 50% less power draw
- Uses existing aircraft wire harness and cockpit On/Off/Dim switch
- Reduced EMI emission
- No soldering needed
- Eliminates buzz and flicker of fluorescents
- Warm white 4100K color temperature
- STC and EASA documentation provided with the product

KING AIR LED OVERHEAD CABIN LIGHTING UPGRADE

PWI



6900336036

Upgrading the aircraft's overhead cabin lighting system to LED lights offers a fresh and clean appearance of the King Air 300 passenger cabin. This LED lighting upgrade kit directly replaces the factory lighting system using the same aircraft lighting and connectors. The King Air LED cabin overhead lighting kit uses less power and has a 100,000-hour service life. Also, this kit is available in a 4,100K warm light and a 5,100K cool white version while using the same aircraft dimming controls.

- Plug-and-play installation without alterations to the aircraft interior
- Connects to cockpit bright/dim/off lighting controls.
- Uses factory wiring and ships with correct aircraft electrical connectors
- Lower power usage than standard cabin lighting
- LED power drivers 12 lb lighting than fluorescent power supplies
- Eliminates high-voltage buzzing and flickering
- STC, EASA, ANAC, and AFAC documentation provided

Weight:	40 g (light), 600 g (power supply)
Dimensions:	4.42 x 7.4 in (light), 5.5 x 2.34 x 4.9 in (power supply)
Operating Temperature:	-20°C to 70°C (light), -40°C to 70°C (power supply)

EDMO#	MFR#	DESCRIPTION
KING AIR 300		
6900336036	6900336-036	36 Lights, 4100K Warm White
KING AIR 350		
6900336042	6900336-042	42 Lights, 4100K Warm White
6900336142	6900336-142	42 Lights, 5100K Cool White

LED REPLACEMENT READING LIGHT

PWI



7310046-00

LED reading lights provide up to 33,000 hours of life. These LED replacement lights are cool to the touch and are a whiter and more energy-efficient alternative to incandescent bulbs. Operating on significantly less power, LED lights are a more cost-efficient upgrade over the life of the aircraft.

- 90% Less Power Consumed
- Direct Drop-In Replacement for Incandescent Bulbs
- Better Directional Lighting
- Cooler running temperature +10F (about ambient temperature)
- Internal Fuse Protection
- High-Speed Transition Protection Circuit
- 28 VDC Nominal Input
- Manufactured with Proprietary Constant-Current Circuit Design
- PMA #PQ4159CE

EDMO#	MFR#	DESCRIPTION
7310006-01	7310006-001	1495 LED Reading Light
7310007-01	7310007-001	1308/1309 LED Reading Light
7310010-01	7310010-001	303 LED Reading Light
7310046-00	7310046-000	303R LED Reading Light

70813 SERIES LED CABIN DOME LIGHT

WHELEN ENGINEERING CO, INC



This series of LED interior cabin lights is high quality, long-lasting, and dimmer controllable, as well as being a modern alternative to the A360 series incandescent interior cabin lights. The series' use of LED technology provides a long life, reduced power consumption compared to alternative light sources, shock and vibration resistance, and a small profile for shallower mounting depth.

- 60 LED dome light, 28 V

Weight:	0.1 lb
Dimensions:	3 x 2.75 in
Mounting Depth:	0.25 in

EDMO#	MFR#	DESCRIPTION
7081308	01-0770813-08	LED Dome Light | 28V, 28CD
7081312	01-0770813-12 (E)	LED Dome Light | 28V, 42CD
77081316	01-0770813-16	LED Dome Light

70820 SERIES LED MAP LIGHT

WHELEN ENGINEERING CO, INC



7082003

The 70820 Series map/reading light assemblies are designed to illuminate the cockpit or cabin. These versatile lights are easy to adjust with a 360° swivel base and LED bulbs for life (approximately 20,000 hours), reduced power consumption, and a vibration-resistant design.

Weight:	0.19 lb
Dimensions:	2.66 x 1.34 x 1.13 in
Power consumption:	0.02 Amps @ 14 VDC 0.02 Amps @ 28 VDC

EDMO#	MFR#	LED COLOR	FINISH	VOLTAGE
7082001	01-0770820-01	White	Silver	28 VDC
7082002	01-0770820-02	White	Black	14 VDC
7082003	01-0770820-03	White	Black	28 VDC

LED GOOSENECK ADJUSTABLE MAP LIGHT

WHELEN ENGINEERING CO, INC



This gooseneck-style adjustable reading light is equipped with a rheostat-controlled light intensity operable with a simple pushbutton switch.

- Aviation white LED
- Fixed-position black nylon hood

EDMO#	MFR#	LENGTH
7114416	01-0771144-16	16 in
70190W08	01-0770190W08E	8 in

LAMPS, BULBS & BARS

LAMPS

HALOGEN LAMP

WHELEN ENGINEERING CO, INC
EDMO# A50814
MFR# A508-14



The A508-14 halogen lamp is a replacement bulb compatible with the A500A, A600, and A555A series aircraft lighting.

Dimensions:	1.18 x 0.4 in
Temperature:	4200 K
Voltage:	14 VDC
Wattage:	25 W
Base:	Wedge
Bulb Shape:	T3-1/4

WEDGE BASE LAMP

WHELEN ENGINEERING CO, INC
EDMO# A70828
MFR# A70828



Replacement bulb for Whelen A70828 flashing anti-collision light lamp.

Voltage:	28 VDC
Wattage:	50 W
Base:	Wedge

REFLECTOR LAMP



WHELEN ENGINEERING CO, INC
EDMO# W1524
MFR# W1524

Replacement bulb for Whelen W1524 flashing anti-collision light reflector lamp.

Voltage:	24 VDC
Wattage:	21 W
Base:	Single contact bayonet

SNAP-IN LAMP



WHELEN ENGINEERING CO, INC
EDMO# 4198700
MFR# 34-0041987-00

Replacement bulb for Whelen, white dot

Voltage:	12 VDC
Wattage:	35 W
Base:	Snap-in

SCREW-TYPE BASE LAMP



CANDELA CORPORATION

EDMO#	MFR#	VOLTAGE	WATTAGE	BULB
4553	4553-GEM	28 VDC	250 W	PAR46
4596	4596-GEM	28 VDC	250 W	PAR36

BULBS



MIDGET FLANGE | C-BAYONET | MINI BAYONET | SUB-MINI

EDMO#	MFR#	BULB/MOUNT	VOLTAGE
MIDGET FLANGE			
327-CML	327 CML	T-1 3/4 midget flange	28 VDC
ML-0328	0328	T-1 3/4 midget flange	6 VDC
ML-0330	330-I	T-1 3/4 midget flange	14 VDC
334	334-1	T-1 3/4 midget flange	28 VDC
ML-0386	ML-0386	T-1 3/4 midget flange	14 VDC
ML-0387	ML-0387	T-1 3/4 midget flange	28 VDC
2029912338	202-991-23-38	T-1 SX3s midget flange	28 VDC
C-BAYONET			
307	307-I	S-8 single contact bayonet	28 VDC
ML-0303	303-I	G-6 single contact bayonet	28 VDC
ML-1683	1683	S-8 single contact bayonet	28 VDC
MINI BAYONET			
313	313-GEM	T-1 3/4 mini bayonet	28 VDC
ML-1495	1495-1	T-4 1/2 mini bayonet	28 VDC
ML-1813	1813-1	T-3 1/4 mini bayonet	14.4 VDC
ML-1816	1816-I	T-3 1/4 mini bayonet	13 VDC
ML-1819	1819-I	T-3 1/4 mini bayonet	28 VDC
ML-1820	1820-I	T-3 1/4 mini bayonet	28 VDC
SUB-MINI			
ML-6180	6180-I	60 milliamp bulb	5 VDC
22-I	22-I	40 milliamp bulb	14 VDC
OL6839	OL-6839-I	24 milliamp bulb	28 VDC

LIGHT BARS

NULITE INSTRUMENT LIGHTING SYSTEMS
EDMO# LB4028
MFR# LB4028

Four-inch lighting strip for installation above areas requiring additional lighting.

- 0.075 larger than standard ATI instruments
- Includes two Mil Spec. incandescent lamps



LB4014

Thickness:	0.220 in
Material:	Translucent plastic
Coating:	Three part NO-MAR epoxy
Lighting:	100% linear, (i.e. 7V on a 14V lamp will produce 50% lumens)
Current Draw:	80 mA (average) 125 mA (max)

Meets FAR 25.853 burn requirements, PMA approved.

LIGHTING ACCESSORIES

LIGHT TRAYS

MID-CONTINENT INSTRUMENTS & AVIONICS

2-inch 28V incandescent light tray top-mount replacement.



6015358-2

EDMO#	MFR#	VOLTAGE	SIZE
6015010-2	6015010-2	14 VDC	2 in
6015358-2	6015358-2	28 VDC	2 in
6015358-3	6015358-3	28 VDC	2 in
6018634-2	6018634-2	5 VDC	2 in
9015640-1	9015640-1	5 VDC	For 4300-411 series
9015640-2	9015640-2	14 VDC	For 4300-411 series
9015640-3	9015640-3	28 VDC	For 4300-411 series
9015640-12	9015640-12	28 VDC	For NVG lighting
9016909-14	9016909-14	14 VDC	For 4300 series

MD31 LED LIGHT TRAY

MID-CONTINENT INSTRUMENTS & AVIONICS

2-inch 28V LED light tray top-mount replacement.



MD31-4

EDMO#	MFR#	VOLTAGE	SIZE	CONNECTOR
MD31	MD31	28 VDC	2 in	No
MD31-1	MD31-1	28 VDC	2 in	Yes
MD31-4	MD31-4	14 VDC	2 in	No

SMOKING/SEAT BELT SIGN LED UPGRADE

PWI
EDMO# 7310004-00
MFR# 7310004-000



The LED No Smoking/Seat Belt sign light upgrade is a direct replacement for the factory-installed Teledyne Part #1202-300 sign lights. By removing the stock light boards, the PWI LED upgrade is installed using the factory mounting holes and requires no changes to the fixture. This LED works up to 100,000 hours with reduced power consumption. Cooler operating temperatures mean you're not likely to ever need to replace these lights. This two-board LED upgrade kit replaces the two bulb boards and is powered by the 28V from the aircraft.

Compatible Aircraft:	Beechcraft: C90 Series, E90 Series, B200 Series, B300 Series, 350 Series, 1900 Series Pilatus: PC-12 Series, PC-12/45 Series, PC-12/47 Series

INSTRUMENT LIGHT STRIP

U M A INC



Aviation Instrument Light Strip for glare shields. Strips are self-adhesive and can be cut on the non-connector side to modify length. Internal lighting is available as an option on all UMA 2 1/4" or 3 1/8" instruments (except for altimeters) and on UMA 1 1/4" electronic engine gauges. The internal lighting uses the same EL light that is used in a UMA bezel. This light strip is mounted around the existing dial of the instrument, which allows for the instruments to be closer to the instrument panel and easier to read. Available only for UMA-manufactured products.

EDMO#	MFR#	DIMENSIONS (IN)	LIGHT COLOR
2-418-150W	2-418-150W	1.5 x 18	White
2-423-075W	2-423-075W	0.75 x 23	White
2-425-050W	2-425-050W	0.5 x 25	White

A490ATSC SERIES POWER SUPPLY

WHELEN ENGINEERING CO, INC
EDMO# A490ATSC
MFR# 01-0770062-03



The A490ATSC series operates one strobe lighthead. Its compact size allows mounting in the wingtip and/or the tail, adjacent to the light head. It produces an accumulated 34 joules of power and can be equipped to flash simultaneously with up to 5 other like units by connecting an 18-gauge wire between outlet 3 on the input power connector. This power supply will operate from 10 to 30 VDC.

Weight:	1.7 lb
Dimensions:	5.0 x 3.12 x 3.06 in
Power Consumption:	1.7 A @ 14 VDC; 0.85 A @ 28 VDC
Approvals:	FAA/PMA

A490TCF SERIES POWER SUPPLY

WHELEN ENGINEERING CO, INC
EDMO# A490TCF
MFR# 01-0770006-08



The A490TCF series operates one strobe lighthead. It is our most compact unit and can be mounted in the wingtip and/or the tail adjacent to the light head. It produces an accumulated 19 joules of power. It will only meet 400 CP when used with the A470A-W. This unit cannot be synchronized. This power supply operates from 10 to 30 VDC (not approved for use with the red strobe light).

Weight:	1.2 lb
Dimensions:	5.0 x 3.12 x 2.38 in
Power Consumption:	1.7 A @ 14 VDC; 0.85 A @ 28 VDC
Approvals:	FAA/PMA

HDACF POWER SUPPLY

WHELEN ENGINEERING CO, INC
EDMO# HDACF
MFR# 01-0770028-05



The HDACF power supply provides simultaneous flashing, alternate flashing, or both for up to three strobe light heads. When operating the wingtip strobes in alternating mode, the unit provides up to an accumulated 42 joules of power to each light and up to 21 joules while in simultaneous mode. On the trigger selector outlet, a switch mounted in place of the jumper allows wingtip outlets 2 and 3 to be turned off while tail outlet 1 remains on (this is useful when the third light is used for ground operations).

Weight:	2.1 lb
Dimensions:	2.37 x 5.0 x 5.50 in
Power Consumption:	7.0 A @ 14 VDC; 3.5 A @ 28 VDC
Approvals:	FAA/PMA

REPLACEMENT CONNECTORS

WHELEN ENGINEERING CO, INC

Replacement cable connector kits and assemblies.



A441

EDMO#	MFR#	POS.	CONNECTOR TYPE	INCLUDES
A441	01-0430011	3	Male	Pin kit
A442	A442	3	Female	Socket kit

EDMO#	MFR#	POS.	CONNECTOR TYPE	INCLUDES
A444	A444	2	Male	Pin kit
A446	A446	2	Female	Socket kit

71156 SERIES LED FLASHER ASSEMBLY

WHELEN ENGINEERING CO, INC
EDMO# 7115604
MFR# 01-0771156-04



The 71156 Series is an electronic 'pulse' light flasher for use with WAT Taxi & Landing LED lightheads (catalog and custom versions). 71156 is being integrated into aircraft model upgrades and new type-certified aircraft. Flasher operates four outputs, steady on, or will allow two outputs to be flashed or steady independent of the other. MS Connectors with aluminum housing. Tested in accordance with RTCA/DO-160 environmental tests.

Weight:	1.1 lb
Dimensions:	5.0 x 1.8 x 4.56 in
Number of Outputs	4 Outputs
Voltage:	28 VDC
Power Consumption:	20 A max @ 28
Flash Rate:	90 fpm

71234 SERIES LED FLASHER ASSEMBLY

WHELEN ENGINEERING CO, INC
EDMO# 7123403
MFR# 01-0771234-03



The 71234 Series is a flasher/current source assembly designed to operate remote-mounted LED anti-collision and position lights. Unit complies with TSO-C96a Class II (400 ecp) anti-collision light requirements and TSO-C30c tail position light requirements.

Weight:	0.8 lb
Dimensions:	4.88 x 1.84 x 2 in
Voltage:	28 VDC
Power Consumption:	0.6 A avg.; 3 A Peak @ 0.25 sec. 28 VDC

71700 SERIES ECO FLASHER BOX

WHELEN ENGINEERING CO, INC
EDMO# 7170000
MFR# 01-0771700-000



The 71700 is a state-of-the-art electronic light flasher designed specifically for compatibility with WAT LED exterior lighting products. This versatile flasher offers two distinct operating modes: steady-on output or alternating flashing outputs.

Weight:	0.11 lb
Dimensions:	0.54 x 2.04 x 2.74 in
Voltage:	14 or 28 VDC
Flash Rate:	90 fpm (± 10 fpm)

STROBE LIGHT TESTER

WHELEN ENGINEERING CO, INC
EDMO# 765246
MFR# 01-0765246-00



The Whelen Strobe Check Unit is designed to determine the reason the strobe light system is not working properly. The tester will only display adequate anode and trigger voltage.

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ACTIVE HEADSETS

AIRMAN 8+ ANR HEADSET

TELEX COMMUNICATIONS INC



The Telex Airman 8+ aviation headset with battery-free active noise reduction (ANR) is designed specifically for optimizing pilot communications in commercial and business turbine aircraft.

Building on the tradition of the Airman 850, the Airman 8+ has improved durability, intelligibility, and comfort, making it the lightest active noise reduction headset on the market. This headset is also the only FAA TSO-C139a-approved ANR headset that uses Telex's proprietary battery-free system. The ANR switch has been placed on the forward-facing earcup side, allowing an easier reach without having to remove the headset. A high-quality, amplified, electret microphone provides clear voice transmission while improved ANR and noise cancellation ensure superior in-flight communication.

The Airman 8+ features a stainless-steel headband with metal pivots and an overhead coiled cord, extending its useful life. The microphone boom design provides stronger rotational stops utilizing the full diameter of the ear cup. The soft headband pad combined with a lightweight design improves comfort—even on long flights; further enhancing comfort, the yoke allows the ear cups to move in all directions. An acoustic limiter protects users against sudden increases in sound levels.

- Improved ANR and microphone noise cancellation ensure superior in-flight communication. Innovative technology eliminates the need for batteries or special connections
- A soft headband pad combined with a lightweight design improves comfort—even on long flights
- Strong stainless-steel headband with metal pivots increases durability
- The yoke design provides three-axis adjustments and durability improvements
- Acoustic limiter protects against sudden increases in volume
- Clear voice transmission with a high-quality, amplified, electret microphone
- Fully FAA TSO-C139a approved

EDMO#	MFR#	DESCRIPTION
8P-0210	AIRMAN8P-0210	Airman 8+ | PJ-055 & PJ-068 equivalent connectors
8P-0211	AIRMAN8P-0211	Airman 8+ | ANR, XLR5 connector
ACCESSORIES		
8P-0903	AIRMAN8P-0903	Ear cushions | one pair
8P-0908	AIRMAN8P-0908	Headband pad | large
8P-0909	AIRMAN8P-0909	Carrying case
8P-0910	AIRMAN8P-0910	Hygiene covers | 10 pack

AIRMAN 8 HEADSET

TELEX COMMUNICATIONS INC



The Airman 8 ultra-light aviation headset with battery-free active noise reduction (ANR) offers innovative features that provide increased comfort, durability, and ease of use for professional pilots, air fleet operators, and aircraft manufacturers. Eliminating the need for batteries and special connectors, this ANR headset receives power from its unique microphone system. The ANR switch has been placed on the forward-facing ear cup side, allowing an easier reach without having to remove the headset. A high-quality, amplified, electret microphone provides clear voice transmission while improved ANR and noise cancellation ensure superior in-flight communication. Extending its useful life, the headset is constructed with a stainless steel headband with metal pivots and a pre-coiled, overhead coiled cord. The microphone boom design provides stronger rotational stops that utilize the full diameter of the ear cup. The soft headband pad combined with a lightweight design improves comfort—even on long flights; further enhancing comfort, the yoke allows the ear cups to move in all directions. An acoustic limiter protects users against sudden increases in sound levels.

- Improved ANR and microphone noise cancellation ensure superior in-flight communication
- Innovative technology eliminates the need for batteries or special connections
- A soft headband pad combined with a lightweight design improves comfort—even on long flights
- Strong stainless steel headband with metal pivots increases durability for longer headset life
- The yoke design provides three-axis adjustments and durability improvements
- Acoustic limiter protects against sudden increases in volume
- Clear voice transmission with high-quality, amplified, electret microphone
- Fully FAA TSO C-139a approved

EDMO#	MFR#	DESCRIPTION
8-0210	AIRMAN8-0210	Airman 8 headset | Dual PJ connectors (microphone PJ-068 equivalent, headset PJ-055 equivalent)
8-0211	AIRMAN8-0211	Airman 8 headset | XLR connector
ACCESSORIES		
8-0900	AIRMAN8-0900	Ear cushion | 2 pack
8-0901	AIRMAN8-0901	Hygiene cover | 10 pack
7-0900	AIRMAN7-0900	Windscreen | 2 pack
7-0904	AIRMAN7-0904	Clothing clip
7-0905	AIRMAN7-0905	Carrying case
7-0906	AIRMAN7-0906	Headband pad
F01U342083	F.01U.342.083	Comm cord | PJ Y-block
F01U344922	F.01U.344.922	Mic boom assembly

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AIRMAN 850 ANR HEADSET

TELEX COMMUNICATIONS INC



The Airman 850 Ultra-Lightweight ANR Headset is designed for use in aircraft with low noise levels; it provides up to 12 dB of active noise reduction that targets the higher frequency wind and equipment noise usually found in jet cockpits. An amplified, noise-canceling electret mic ensures clear communications, and the mic's flexible rotating boom provides a degree of customization while also protecting the headset cordage. Providing exceptional lightweight comfort, the Airman 850 weighs only 4 ounces and provides an adjustable fit with two inches of up-and-down earphone adjustment per side and gimbal mounting that improves the headset's side-to-side comfort.

- Provides up to 12 dB of noise reduction and weighs just four ounces
- Designed with an adjustable headband that gives the wearer two inches of up-and-down earphone adjustment per side, while gimbal mounting provides side-to-side comfort
- Equipped with a miniature, amplified, noise-canceling electret microphone that provides superior 400 Hz hum rejection, the flexible boom rotates 320° and can be worn on either side of the head and comes with a replaceable windscreen that minimizes popping, hissing, and breathing sounds
- Includes an on/off switch to control ANR power and a hi/low switch for controlling receiver volume
- The microphone cordage uses RFI- and EMI-shielded wire; all cordage is tucked inside the boom for added protection, and a strain relief on the cord provides added durability

Weight:	3.8 oz (without cord)
Cord length:	301317-000: 5.5 ft +/-0.5 ft 301317-002: 6.5 ft +/-0.5 ft 301317-003: 5.5 ft +/-0.5 ft
Certification:	TSO-C57a, TSO-C58a

EDMO#	MFR#	DESCRIPTION
301317-000	301317-000	Airman 850 | PJ-068 or equivalent connector
301317-002	301317-002	Airman 850 | XLR-5 type connector
301317-003	301317-003	Airman 850 | PJ-068 or equivalent connector
ACCESSORIES		
701612-000	701612-000	Earpiece housing
701613-000	701613-000	Boom housing
800456-018	800456-018	Foam ear cushions | one pair
800456-019	800456-019	Windscreen
800456-020	800456020	Leatherette ear cushions
800801-000	800801-000	Molded glider assembly

ASCEND ANR HEADSET

TELEX COMMUNICATIONS INC



Comfort, clear sound, and innovation combined. Telex's Ascend Headset provides a redesigned, more comfortable fit with high-quality sound. This versatile design was created for the cockpit but is easily configured for personal use with the ability to change the connector, remove the boom, or add a battery. The advanced noise reduction (ANR) system, coupled with limited speaker output and high-bandwidth frequency response, provides the wearer with crystal-clear sound. A unique chassis equipped with pivoting ear cups provides a comfortable fit and can be swiveled a full 180° for easy storage.

- Provides clear sound with automatically limited speaker output, an advanced noise reduction system, and high-bandwidth frequency response
- The Advanced Noise Reduction (ANR) system shields out common cockpit noises like wind or avionics cooling fans (ANR is powered by a mic bias or rechargeable battery module)
- Headset can be folded flat for storage
- FAA/TSO C139 approved

Weight:	8 oz
Cord length:	5.91 ft

EDMO#	MFR#	DESCRIPTION
PRD252100	PRD000252100	ANR headset, standard plug and jack
ACCESSORIES		
PRD253016	PRD000253016	Carrying case

TELEX HEADSET ACCESSORIES

EAR CUSHIONS



Compatible with the following Telex headsets: Air 3500, ANR 150, and Stratus 30. Sold as a pair.

EDMO#	MFR#	DESCRIPTION
800456-008	800456-008	Foam ear cushions | Stratus 30, Air 3500, ANR 150
800456-021	800456021	Foam ear cushions | Stratus 50D and 30XT
590619-003	590619003	Leatherette ear cushions
700498-000	700498000	Foam top cover | Air 3000

MICROPHONE/WINDSCREENS



800456-000



800456-001

EDMO#	MFR#	FOR USE WITH
MICROPHONES		
59807-000	59807000	Electret Microphone | Model 38T
WINDSCREENS		
59688-000	59688000	Airman ANR500
59835-000	WS-2	AIR3000 & ANR4000
800456-000	800456000	Elongated | AIR 3500, ANR, PRO Air Series, Echelon, Air 3100
800456-001	800456-001	Airman 750 & ANR 200

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G2 ANR HEADSET

FARO AVIATION LLC



The Faro® G2 headset with active noise reduction (ANR) reduces cockpit noise up to 52 dB. The Faro® G2 uses a combination of passive noise reduction (PNR) and active noise reduction technology (ANR) to reduce ambient noise in the aircraft. Active noise reduction is achieved by placing a microphone inside the ear cup that listens to ambient noise and generates "anti-noise" into the speakers to cancel out unwanted ambient noise.

- Noise canceling electret microphone and fully adjustable beam with windscreen allow communication to be heard loud and clear
- Premium leather ear protection provides 23 dB in passive noise reduction and an additional 29 dB noise reduction with active noise reduction
- MP3/Audio compatible with a built-in 3.5 mm audio jack and included auxiliary cable
- Weight: 23 oz

EDMO#	MFR#	DESCRIPTION
G2-A-BLACK	X000T93H85	G2 ANR
G2-AHBLACK	X000TO2IDP	G2 ANR | Helicopter

G3 ANR HEADSET / CARBON FIBER

FARO AVIATION LLC
EDMO# FARO-G3
MFR# FARO-G3 ANR



The Faro G3® ANR headset is 100% constructed of carbon fiber, making it extremely lightweight with the kind of barely-there comfort that results from a total weight of nine (9) ounces. It features Bluetooth® connectivity, active noise reduction rated at 52 dB, premium speakers for crystal clear audio, and a 360° rotatable noise-cancelling electret microphone. Faux leather ear cushions and a soft head cushion ensure that this lightweight headset's nine ounces go unnoticed for hours of in-flight comfort. 2 AA batteries are required

FARO HEADSET ACCESSORIES



EAR-SEAL EARCUSHION BAG-BLACK MIC-COVER

EDMO#	MFR#	DESCRIPTION
EAR-SEAL	GEL-EAR-SEAL	Silicone gel ear seals
EARCUSHION	LEATHER-EAR-CUSHION	Faux leather ear cushion
BAG-BLACK	FAROBAG-BLACK	Headset bag | black
MIC-COVER	FARO-MIC-COVER	Microphone cover

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DC PRO-X2 AVIATION HEADSETS

DAVID CLARK COMPANY INC



The DC Pro-X2 series aviation headsets provide improved noise reduction for both active ANR and passive PNR versions. Enhanced Auto Shutoff virtually eliminates accidental battery drain from the control module, while automatic gain control (AGC) offers optimum ANR performance in high-noise conditions. Advanced comfort and performance is credited to the headset's ultra-lightweight and rugged alloy suspension, plush leatherette ear seal with Outlast technology, and heat-absorbing head pad. David Clark's hybrid electronic noise-cancelling technology offers excellent ANR performance with or without Bluetooth audio. Weighing in at only 8 ounces, the DC Pro-X2s are the lightest, full-featured headsets in their class for both general and commercial aviation pilots alike.

- Improved ANR and PNR noise reduction
- Enhanced auto-shutoff virtually eliminates battery drain

EDMO#	MFR#	DESCRIPTION
SINGLE EAR CUP		
43106G-06	43106G-06	5-pin XLR | passive NR
DUAL EAR CUPS		
43105G-01	43105G-01	Dual GA plugs | Bluetooth
43105G-02	43105G-02	6-pin connector | Bluetooth
43105G-04	43105G-04	5-pin XLR | Bluetooth
43105G-07	43105G-07	5-pin XLR, ENC | No Bluetooth
43105G-10	43105G-10	Dual GA plugs, ENC | No Bluetooth
43106G-01	43106G-01	Dual GA plugs | passive NR
43106G-02	43106G-02	5-pin XLR | passive NR

CARBON A1 ACTIVE ANR HEADSET

PILOT USA
EDMO# CARBON A1
MFR# CARBON A1



The Carbon A1 extremely lightweight headset features active noise cancellation and contains premium features at an affordable value. The passive noise reduction attenuates background noise up to 24 dB and with active noise reduction enabled, and additional 18–22 dB of noise is quieted—making the Carbon A1 headset the quietest in its class. Closer tolerances during its design and construction along with mil-spec components, provides this headset more stability and performance. Soft air-foam head pad provides excellent comfort for pilots, thus eliminating "hot spots." Protein leather ear seals are comfortable against the ears while providing comfort and noise attenuation.

- 30% lighter with carbon fiber construction
- Two simultaneous connections
- Record out functionality to send audio to a camera, digital recorder, or smartphone
- External power source via USB-C port
- AUX input and dual volume control
- 20–25 hours of operation on 2 AA batteries
- Detachable comm cord offers different applications (GA, Heli, 6-pin Lemo)
- Auto shutoff
- Mono & stereo capability
- Adjustable "memory" flexible microphone boom
- Auxiliary audio interface for music, checklists, and warnings
- Custom padded protected case

Weight:	10 oz (284 g)
Passive NR:	24 dB
Active NR:	Additional 18—22 dB @ 150 Hz
Microphone	Noise Canceling Amplified Electret Mic
Boom:	Full Flex
Speaker impedance:	300Ω
Cord:	5 ft, straight
Plug:	1/4 inch audio & 0.206 inch plug

PA-1761T ANR HEADSET

PILOT USA
EDMO# PA-1761T
MFR# PA-1761T



The PA-1761T Active headset uses a Pilot Direct Noise Canceling System to provide active noise reduction. This system directs noise canceling toward the lower frequencies, which makes the PA-1761T unique among ANR headsets. Included within the ANR technology is an Enhanced Voice Intelligibility (EVI) circuit that enhances speech frequencies by 2-4 dB on all incoming radio and intercom audio. The combined result of active noise reduction coupled with speech-enhancing technology is improved intelligibility and an improved audio experience. Like other Pilot USA headsets, the PA-1761T provides comfort-enhancing features like gel ear seals, a pillow-top head pad, and earcups with individually adjustable sound levels. Meanwhile, a "true stereo" input jack provides compatibility with cellphones, tablets, and other media devices for in-flight communications and entertainment.

- Provides 24 dB passive noise reduction with an additional 16-19 dB active noise reduction using the Pilot Direct Noise Canceling System that directs noise-canceling toward the lower frequencies
- Auto on/auto shut-off proprietary circuitry ensures that the ANR automatically turns on when plugged into an aircraft with the radio turned on or when plugged into an active intercom; the headset shuts off automatically when unplugged from the battery box or when the radio or avionics master switch is turned off—the headset can also
- Manual turn-off using the toggle switch on the battery box
- Cell/satellite phone capable with a "true stereo" input jack that provides compatibility with tablets and cell phones with 3.5 mm (4 conductor) inputs or a 2.5 mm input
- A full Flex microphone boom allows the user to adjust the mic position according to their preferences
- Volume controls on each ear cup allow the wearer to individually adjust
- Weight: 16.9 oz

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PA-1771T ACTIVE HEADSET

PILOT USA
EDMO# PA-1771T



The PA-1771T ANR headset is both lightweight and comfortable due to its genuine sheepskin head pad and proprietary silicone gel ear seal, which has 30% less weight than regular gel ear seals. The auto on/off circuitry allows the PA-1771T to switch on ANR when plugged into the aircraft and switch off when unplugged. Also, this headset will automatically shut off when the radio or avionics master switch is turned off. The PA-1771T provides a true stereo input jack for compatibility with music devices such as cellphones, satellite phones, CD or MP3 players, and iPods. The cellphone system is designed to work with modern smartphones that have a 3.5 mm (4-conductor) jack or older cellphones with a 2.5 mm jack.

- Features with a sheepskin fleece head pad and proprietary silicone ear seals
- Powered by an external battery pack using a standard 9-volt battery

Weight:	13.4 oz
Passive NR:	25 dB
Active NR:	Additional 20–22 dB @ 100 Hz
Microphone	Amplified noise canceling electret
Boom:	DNC/XL style
Speaker impedance:	300Ω
Cord:	5 ft, straight
Plug:	1/4 inch audio & 0.206 inch plug
Color:	Blue

PA-1779T ACTIVE HEADSET

PILOT USA



The PA-1779T ANR headset is designed with tighter tolerances of military headset components while providing an additional 18–22 dB active noise reduction at 100 Hz. The PA-1779T headset features self-contained ANR with a rechargeable nickel metal hydride (NIMH) battery and a standard 110V wall charger. This ANR headset is both lightweight and comfortable due to its genuine sheepskin head pad and proprietary silicone gel ear seal, which have 30% less weight than regular gel ear seals. Also, this headset will automatically shut off when the radio or avionics master switch is turned off. The PA-1771T provides a true stereo input jack for compatibility with music devices such as cellphones, satellite phones, CD or MP3 players, and iPods. The cellphone system is designed to work with modern smartphones that have a 3.5 mm (4-conductor) jack or older cellphones with a 2.5 mm jack.

- Features with a sheepskin fleece head pad and proprietary silicone ear seals
- Equipped with auto/on shut-off proprietary circuitry
- ANR automatically switches off when unplugged from the aircraft

Weight:	16.9 oz
Passive NR:	25 dB
Active NR:	Additional 18–22 dB @ 100 Hz
Microphone:	Amplified noise canceling electret
Boom:	DNC/XL
Speaker impedance:	300Ω
Color:	Black

EDMO#	MFR#	DESCRIPTION
PA-1779T	PA-1779T	1/4 inch audio & 0.206 inch mic | 5 ft straight cord
PA-1779TH	PA-1779TH	TP-120 (U-174/U) | Coiled cord

PILOT USA HEADSET ACCESSORIES

EAR SEALS



FL-ES-15



FL-ES-HEL



PA-20

EDMO#	MFR#	DESCRIPTION
FL-ES-15	PA-22G	Slide-on gel ear seals, 1 pair
FL-ES-HEL	PA-22GL	Slide-on gel ear seals, 1 pair - large size
PA-20	PA-20	Cloth ear seal covers, 1 pair
PA-21G	PA-21G	DNC/XL gel ear seals

MICROPHONE/WINDSCREENS/BOOMS



PA-10L



PA-10



PA-5X

EDMO#	MFR#	DESCRIPTION
PA-5X	PA-5X	Electret microphone and windscreen | Black
PA-10	PA-10	Foam windscreen | electret microphone
PA-10L	PA-10L	Foam windscreen | dynamic microphone
MICROPHONE BOOMS		
1142-20AF	1142-20AF	180 mm flex mic boom for electret microphone

PASSIVE HEADSETS

AIRCLASSICS HEADSET

ASA



Good communications are essential for a successful flight. ASA provides this in the HS-1A with the most advanced technology, maximum comfort, high-quality components, and a sleek look—all for a reasonable price! Designed, engineered, and manufactured by experts in the headset business, ASA is so confident in the quality that the HS-1A is guaranteed against defects in materials and workmanship for the life of the original owner. Protect your hearing, don't miss any radio calls, and be certain your transmissions are heard with this feature-rich, value-priced headset.

- Earcups of high-density acoustic foam for the best passive noise attenuation

- Has noise reduction rating (NRR) 23 dB
- High-fidelity speakers for clear, natural sound
- Electret, noise-canceling flex-boom microphone reduces background noise and allows clearest voice transmission
- Gold-plated microphone and headphone plugs ensure the best connection and resist corrosion
- High-grade, multi-strand wire improves cable life
- Stereo/mono capability
- Large, dual controls for quick, easy volume adjustment of each ear
- Microphone muff
- An adjustable headband with easy thumb screws eliminates "hot spots" and accommodates eyeglasses and any head size
- Quality foam ear seals and lightweight add to overall comfort

EDMO#	MFR#	DESCRIPTION
HS-1A	HS-1A	AirClassics Headset
ACCESSORIES		
HS-1-MUFF	HS-1-MUFF	Microphone Muff
HS-1-SEALS	HS-1-SEALS	Acoustic Foam Earseals

AIRMAN 7+ DELUXE ULTRA-LIGHTWEIGHT HEADSET

TELEX COMMUNICATIONS INC



The Airman 7+ ultra-lightweight passive noise reduction headset from Telex is a non-ANR version of the Airman 8+, designed for commercial and business pilots. It offers enhanced passive noise reduction, reducing fatigue-inducing background noise while keeping engines and conversations audible for a less isolated cockpit experience. The Airman 7+ features large ear cushions, a durable stainless steel headband, and a flexible boom-mounted microphone for clear communication. With FAA and EASA compliance, it ensures exceptional comfort, sound quality, and reliability. Available with 2PJ or XLR5 plugs.

- Passive noise reduction reduces fatigue and improves intelligibility
- Larger, comfortable leatherette ear cushions
- Two different-sized, interchangeable, soft headband pads and an ultra-lightweight design for enhanced comfort
- Strong stainless steel headband and dual-axis pivot points for increased durability and long headset life
- New yoke design provides dual-axis adjustments and rotation stabilization

Weight:	4.4 oz (125 g)
Cable Length:	6 ft ± 4 in (1.80 m ± 10 cm)
Headset Type:	Dynamic
Nominal Impedance:	600 Ω ± 20% @ 1 kHz
Frequency Response:	315 Hz – 3,150 Hz <15 dB max. to min. over the range
Speaker Sensitivity:	92 dB SPL ± 5 dB
Microphone Element Type:	Electret condenser; Noise cancelling
Sensitivity:	-28 dBV/PA ± 3 dB, 8V @ 1 kHz
Operating Voltage:	8 VDC – 16 VDC (470 Ω TSO load circuit)

EDMO#	MFR#	DESCRIPTION
7P-0210	AIRMAN7P-0210	Airman 7+ | 2PJ connector
7P-0211	AIRMAN7P-0211	Airman 7+ | XLR5 connector

AIRMAN 750 PASSIVE HEADSET

TELEX COMMUNICATIONS INC



One of the most popular headsets in the world, the Airman 750 Passive Headset provides lightweight comfort and adaptability, weighing in at just over 3 ounces. The fit can be customized to the wearer—the earphone housings are mounted on stainless steel sliders that allow over two inches of adjustment, and the microphone boom is both flexible and reversible, so it can be worn on either side of the head. There are two versions of the Airman headset available: the Airman 750, which includes an amplified, noise-canceling electret mic, and the Airman 760, consisting of headphones only.

- Open-air style earphones provide comfort during long flights and are designed for adaptable usage
- Miniature, amplified, noise-canceling electret microphone that provides 400 Hz hum rejection

Weight:	3.2 oz
Certification:	FAA TSO-C57a, TSO-C58a

EDMO#	MFR#	DESCRIPTION
64300-200	64300-200	Airman 750 | 150Ω
64300-205	64300-205	Airman 750 | double-sided, XLR5 connector, 150Ω
64300-208	64300-208	Airman 750 | double-sided, dual headband, 7 ft cord, XLR5 connector, 150Ω
64300-210	64300-210	Airman 750 | XLR-5-12C connector, 600Ω
64300-212	64300-212	Airman 750 | double-sided, PJ-068 & PJ-055 plugs, 600Ω
64300-300	64300-300	Airman 750 | single sided, 300Ω
ACCESSORIES		
64301-000	64301000	Foam ear cushion | one pair
800456-005	800456005	Foam ear cushion | one pair

AIR 3500 PASSIVE HEADSET

TELEX COMMUNICATIONS INC



300400-000

The AIR 3500 Passive Headset was designed to provide the best of both worlds in headset design, maximizing noise reduction and comfort while reducing weight as much as possible. The soft, cushioned ear cups are optimized for broad-spectrum noise reduction to better attenuate low-frequency noise. Attenuation can be further adjusted using the three Quick-Set pressure settings that allow the wearer to make adjustments according to their comfort and the amount of aircraft noise. In addition, volume can be controlled for each ear individually, and the microphone boom can be worn on either side of the head. A generously cushioned, foam-filled headband and adjustable headband frame ensure a good fit without pressure points.

- Provides 24 dB passive noise reduction
- Mountings for the boom and earcups are also used as cord entrances to minimize the number of openings built into the earcups
- Durably constructed with cadmium-bronze wire and tapered strain reliefs with polypropylene insulation over wires and a urethane jacket; all wires are RFI and EMI shielded

EDMO#	MFR#	DESCRIPTION
300400-000	300400-000	AIR 3500
300400-001	300400-001	AIR 3500 | Helicopter

*continued on next page

EDMO#	MFR#	DESCRIPTION
ACCESSORIES		
700487-000	700487000	Boom side foam insert
700487-002	700487002	Non-boom side foam insert
700487-004	700487004	Generic liner
800456-009	800456009	Gel earseal | one pair

ECHELON 20 PASSIVE HEADSET

TELEX COMMUNICATIONS INC



Designed for students, new pilots, and value-conscious experienced fliers, the Telex Echelon 20 offer excellent hearing protection and value. The Echelon 20 provides an impressive 20+ dB of passive noise protection and a top-quality noise-canceling electret microphone for clear, reliable communications. The Echelon 20 features a low-profile headband for even weight distribution plus patented ComfortCam technology, a three-click tension adjustment system for a custom fit. Special earpieces with foam ear seals pivot two ways to conform to any wearer while detent sliders adjust the headband.

EDMO#	MFR#	DESCRIPTION
PRD12000	PRD000012000	Echelon 20 | 20 DB
ACCESSORIES		
800456-022	800456022	Telex Headband Pad | Echelon 25XT & 30XT

5X5 PRO III PASSIVE HEADSET

TELEX COMMUNICATIONS INC



The 5x5 Pro III Passive Headsets are lightweight, single-sided headsets with an eartip-style receiver that provides crisp speech intelligibility in quiet to moderately noisy environments.

- The adjustable headband is comprised of two stainless steel springs covered with soft polypropylene webbing; the springs can be bent to adjust the lateral pressure on the head
- Includes a detachable headband and pivot assembly that can be rotated over a 180-degree range, allowing the microphone boom to be positioned on either side of the head
- Headband is cushioned with soft polyester-urethane foam head pads
- Can be paired with a push-to-talk switch

Weight:	4.27 lb
Certification:	FAA TSO-C57a & TSO-C58a

EDMO#	MFR#	DESCRIPTION
64000-100	64000-100	5X5 PRO III standard model
64000-103	64000-103	5X5 PRO III for KC-10 aircraft
64000-111	64000-111	5X5 PRO III XLR-5

AIR 3100 PASSIVE HEADSET

TELEX COMMUNICATIONS INC



300048-200

The Telex Air 3100 aviation headset features an amplified, noise-canceling electret microphone and a noise reduction rating of 21 dB—making it suitable for moderately noisy aircraft. The unique headband design evenly distributes the headset weight without pressure points for maximum wearer comfort. The ear cushions combine comfort and lightweight with an excellent acoustic seal. An outer urethane layer ensures long life, and gel-filled ear cushions are also available.

The boom arm features a sealed ball-and-socket joint and a flexible boom for precise microphone placement on any head size. The boom rotates overhead for microphone placement on either side of the head. The microphone cartridge features a noise-canceling electret microphone element that snaps on and off easily for replacement. The microphone amplifier, which is housed in the microphone cartridge, is adjustable through an opening in the microphone assembly.

- Offers maximum comfort with a foam-filled headband pad and ear cushions
- Flexible microphone boom arm with a ball and socket joint provides for precise placement of the microphone
- Rotatable microphone boom allows placement on either side of the headset
- RFI- and EMI-shielded headset cable with strain reliefs
- Unique folding design allows for compact storage and easy transportation

Weight:	4.27 lb
Certification:	FAA TSO-C57a & TSO-C58a

EDMO#	MFR#	DESCRIPTION
300048-200	300048-200	AIR 3100 | NRR 21 dB, TSO
300448-000	300448-000	AIR 3100L | Listen only headset
ACCESSORIES		
60074-130	60074130	Y-cord assembly

TELEX HEADSET ACCESSORIES

EAR CUSHIONS



Compatible with the following Telex headsets: Air 3500, ANR 150, and Stratus 30. Sold as a pair.

EDMO#	MFR#	DESCRIPTION
800456-008	800456-008	Foam ear cushions | Stratus 30, Air 3500, ANR 150
800456-021	800456021	Foam ear cushions | Stratus 50D and 30XT
590619-003	590619003	Leatherette ear cushions
700498-000	700498000	Foam top cover | Air 3000

MICROPHONE/WINDSCREENS



800456-000



800456-001

EDMO#	MFR#	FOR USE WITH
MICROPHONES		
59807-000	59807000	Electret Microphone | Model 38T
WINDSCREENS		
59688-000	59688000	Airman ANR500
59835-000	WS-2	AIR3000 & ANR4000
800456-000	800456000	Elongated | AIR 3500, ANR, PRO Air Series, Echelon, Air 3100
800456-001	800456-001	Airman 750 & ANR 200

MODEL HBT SERIES INDUSTRIAL BLUETOOTH HEADSET

DAVID CLARK COMPANY INC

David Clark Aurora Class Industrial Bluetooth headsets provide extremely reliable performance and communication clarity. The HBT-30 communication model is designed for use with cell phones, tablets, computers, and other smart devices for clear communication in high-noise industrial manufacturing, road work, utility, and construction environments.

- Rugged, marine-grade hardware
- RoHS Compliant / FCC Approved
- Range 10M or approx. 30 feet
- Battery life: 140 hours standby, 80 hours of continuous use



HBT-30



HBT-40

HBT-30 FEATURES:

Bluetooth 4.0, M-55 electret mic, flex/wire boom, dual ear, over-the-head

HBT-40 FEATURES:

Bluetooth 4.0, M-55 electret mic, flex/wire boom, dual ear, behind-the-head

HBT-60 FEATURES:

Bluetooth 4.0, NO MIC (listen only), dual ear, behind-the-head



HBT-60

EDMO#	MFR#	DESCRIPTION
HBT-30	42021G-01	HBT-30 | Over the head headset
HBT-40	42021G-02	HBT-40 | Behind the head headset
HBT-60	42021G-03	HBT-60 | Listen only headset (no microphone)

9900 SERIES WIRELESS HEADSETS

DAVID CLARK COMPANY INC



The Series 9900 Wireless Intercom System is the perfect solution for ground support communications in demanding, high-noise environments such as airline and airport operations, fire and rescue applications, or any application requiring robust, reliable, and secure communications. This system is ideal for push-back operations, wing-walkers, marshalling agents, maintenance mechanics, and de-icing operations. The 9900 wireless system consists of the push-back gateway, wireless belt stations, and any Series 9900 wireless headsets.

- Provides crisp and clear communication in demanding environments
- Marine-grade, stainless steel hardware for rust and corrosion resistance
- M-2 dynamic microphone is water-resistant and provides superlative noise-cancelling
- Hybrid hinged wire/flex mic boom places microphone in the perfect position
- Dual dynamic earphones with titanium nitride drivers and stainless steel retainers
- Water-tight, dual volume controls for independent left and right gain setting
- 6-foot extended coil cord with a military-grade, 7-pin belt station connector
- Undercut, comfort-gel ear seals provide unsurpassed comfort and enhanced noise attenuation
- Four-chamber, air-flow head pad provides comfort and eliminates hot spots
- Passive noise attenuating rating of 23 dB

EDMO#	MFR#	DESCRIPTION
H9930	40990G-01	H9930
H9935	40990G-02	H9935 (marine-grade)

DAVID CLARK C-17 HEADSET

DAVID CLARK COMPANY INC

EDMO# 40493G-01
MFR# 40493G-01



The C-17 dual-ear headset has larger comfort-gel undercut ear seals for greater comfort. The full flex boom allows for easy microphone placement with a single volume control.

- Expanded, super-soft head pad for added comfort
- Noise-cancelling M-7A microphone
- 1200-ohm earphones, wired in parallel for enhanced reliability
- 5-foot extended coil cord, single plug (U-174/U)

Weight:	16.5 oz
Mic sensitivity:	400mV RMS +/-dB into 150Ω load @ 1kHz for 114dB SPL input
Earphone sensitivity:	90 dB SPL on flat plate coupler, re 1mW input @ 1KHz
Certified noise reduction:	23 dB

MODEL H10-60 SERIES PASSIVE HEADSET

DAVID CLARK COMPANY INC



The H10-60 Series headsets provide a noise reduction rating of 23 dB and are designed to go the distance with a plush, comfortable fit for long-distance flights. Headsets in this series are constructed with an adjustable headband, a cushioned head pad, and gel ear seals that provide even pressure on the wearer's head. The headset's M-7A microphone is attached to a patented flex/wire boom that can be precisely positioned by the user. Available in three different cord and plug configurations.

- Noise reduction rating of 23 dB
- Equipped with an M-7A microphone
- Constructed with a flex wire boom for precise microphone placement and a boom guide lock
- Adjustable headset pressure and headband size, steel chrome, lock nut

Weight:	22 oz (headset only)
Certification:	FAA TSO-C139 RTCA/DO-214 standards

EDMO#	MFR#	CORD	PLUGS	AIRCRAFT	MIC
H10-60	40128G-01	5 ft straight	Dual	Fixed wing	M-7A
H10-66	18283G-03	5 ft coil	U-174-U	Helicopter	M-101

MODEL H10-30 SERIES PASSIVE HEADSET

DAVID CLARK COMPANY INC



The H10-30 Series passive headsets provide solid comfort and noise protection at an excellent price point for veteran aviators and student pilots alike. Model H10-30 headsets are fitted with plush head pads and Comfort Gel ear seals with a flexible wire boom that makes it easy to customize mic placement.

- Certified noise reduction rating of 24 dB
- Wire boom for easy mic placement
- Equipped with an M-1/DC amplified, dynamic microphone
- Comes with a molded cord assembly made to withstand pulls and flex
- Steel chrome lock nut headband

Weight:	20 oz
Certification:	FAA TSO-C57 Cat. B & TSO-C58a RTCA/DO-214 standards

EDMO#	MFR#	CORD	PLUGS	AIRCRAFT	MIC
H10-30	12508G-17	5 ft straight	Dual	Fixed wing	M1/DC
H10-36	12508G-20	5 ft coil	Single	Helicopter	M1/DC

MODEL H10-20 SERIES PASSIVE HEADSET

DAVID CLARK COMPANY INC



The Model H10-20 headset provides 24 dB of passive noise reduction coupled with a comfortable fit created by a super-soft head pad and large, lightweight Comfort Gel ear seals. A Flex boom assembly allows the wearer to adjust the M-7A noise-canceling microphone to their preferences.

- Certified noise reduction rating of 24 dB
- Includes a Flex boom assembly that can be adjusted for perfect microphone placement and an M-7A, an advanced noise-canceling microphone
- Includes a low-profile volume control knob with detent settings
- Steel chrome lock nut headband

Weight:	19 oz
Approvals:	FAA TSO-C57 Cat. B & TSO-C58a RTCA/DO-214 standards

EDMO#	MFR#	CORD	PLUGS	AIRCRAFT
H10-20	40074G-01	5 ft straight	Dual	Fixed wing
H10-26	40074G-02	5 ft coil	Single	Helicopter

MODEL H10-13 SERIES PASSIVE HEADSET

DAVID CLARK COMPANY INC



A tried-and-true classic, the Model H10-13.4 Series Passive headsets are well known in the aviation industry for their comfort and reliability. The H10-13.4 provides 23 dB certified noise reduction paired with a comfortable fit made possible by David Clark's signature double foam head pad and Comfort Gel ear seals. This headset provides crisp communication with an M-7A noise-canceling microphone that can be easily adjusted to the pilot's preference using the Universal Flex boom.

- Certified noise reduction rating of 23 dB
- Universal Flex boom that is adjustable to the wearer's preferences and an M-7A noise-canceling microphone
- Low-profile volume control knob with detent settings
- Steel chrome lock nut headband
- Part H10-13S is a stereo version with an inline stereo/mono switch

Weight:	16.5 oz
Certification:	FAA TSO-C57 Cat. B & TSO-C58a

EDMO#	MFR#	CORD	PLUGS	AIRCRAFT
H10-13.4	40411G-01	5 ft straight	Dual	Fixed wing
H10-13S	40422G-01	5 ft straight	Dual	Fixed wing
H10-13H	40411G-02	5 ft coil	Single	Helicopter

MODEL H6230 PASSIVE HEADSET

DAVID CLARK COMPANY INC
EDMO# H6230-M
MFR# 40461G-05



The DC 6230-M Headset is designed to provide crisp, clear communications and superior comfort, ideal for UAV shelters, data vans, command and control vehicles, and other low-noise applications. The Model DC 6230-M is a dual-ear, over-the-head style headset with a supra-aural design (rest-on-ear, as opposed to circum-aural), capable of affording comfort and communication clarity. It features the new M-55 electret noise-cancelling microphone, delivering superlative speech intelligibility.

- Dual ear compatible with all C6200 radio cords
- M-55 noise-canceling microphone for superlative speech clarity
- Full flex mic boom, 280° rotating for mic placement on the left or right side
- Leatherette head pad and ear seals with slow-recovery 'memory' foam
- Adjustable headband/suspension assembly and swivel hinge stirrups
- Weight: 8.4 oz (without cord)

MODEL H3530 PASSIVE HEADSET

DAVID CLARK COMPANY INC



The Model H3530 Passive Headset is part of the Series 3800 UH60 Blackhawk VIP intercom system. Constructed with a corrosion-proof, chrome-plated headband and stirrup assembly.

- Certified noise reduction rating of 24 dB
- Provides a comfortable fit with a soft head pad and ear seals and an adjustable Flex-Boom that allows the wearer to position the mic as needed
- Includes an M-1A amplified dynamic microphone and a 30-inch straight cord with locking connect (SC298) to mate with C35-XX belt station (required)

EDMO#	MFR#	DESCRIPTION
H3530	12508G-34	H3530 headset
ACCESSORIES		
C35-08	04016G-14	Mic cord assembly | 8 ft coil
11696P	11696P	Replacement right dome cup

MODEL H6200 BEHIND-THE-HEAD HEADSETS

DAVID CLARK COMPANY INC
EDMO# 40416G-14
MFR# 40416G-14



The H6200 series over-the-head headsets are designed to directly connect to radio handsets. These headsets feature radio-specific interfaces that allow a direct connection without the use of adapters. The H6200 series is ideal in high-noise work environments for clear communications while offering users excellent hearing protection.

- PTT button conveniently located on the side of the ear cup
- Durable 6-foot extended coiled cord with radio-specific connector

HELMET KIT SERIES K10

DAVID CLARK COMPANY INC
EDMO# 18852G-01
MFR# 18852G-01



The K10 Series Helmet Kit provides the ability to convert David Clark over-the-head-style headsets into a helmet/headset assembly. This combination provides both impact and hearing protection, as well as clear, crisp communication in high-noise environments. This kit accommodates a universal 3-snap visor/face shield that is commercially available. Not for use with the H20-xx series helmets.

DAVID CLARK HEADSET ACCESSORIES

HEAD PADS



David Clark's soft, foam-filled head pad is constructed with soft foam and a cotton cloth cover for cushioned comfort.

EDMO#	MFR#	COMPATIBILITY
18900G-45	18900G-45	H10-20/H10-21/H10-26/H10-30/H10-36/H10-56N/ H10-56/H10-60/H10-60C/H10-60H/H10-00
40688G-36	40688G-36	H10-13.4/H10-13N/H10-13S/H10-13H/H10-13X

EAR SEALS



Constructed with soft, double-knit, 100% cotton, these washable ear seal covers are easy to maintain and provide an extra layer of comfort with the ability to absorb moisture in hot, humid weather. Sold in pairs.

40243G-02

EDMO#	MFR#	DESCRIPTION/COMPATIBILITY
14096P-09	14096P-09	H10-13.4, H10-13N, H10-13S, H10-13H, H10-13Y, H10-20, H10-21, H10-26, H10-30, H10-36, H10-56, H10-56N, H10-60, H10-60C, H10-60H, and H10-00
18316G-02	18316G-02	Foam ear seals | H3530, H3531, H3335, H3312, H3313
22658G-01	22658G-01	Ear seal comfort covers
40243G-02	40243G-02	Flo-Fit gel ear seal
40863G-02	40863G-02	Comfort gel ear seal with undercut design

MICROPHONES/WINDSCREENS/BOOMS



09168P-31



40062G-01



18434G-02

EDMO#	MFR#	DESCRIPTION/COMPATIBILITY
MICROPHONES		
09168P-31	09168P-31	M-7
09168P-33	09168P-33	M-7A electret
09168P-51	09168P-51	M-87 | 150Ω
09168P-88	09168P-88	DC-87 dynamic
12948G-14	12948G-14	M-1, DC | H10-30, H10-36, H3335
18226G-19	18226G-19	Shield assembly | DC-1A
18920G-02	18920G-02	M-1A | H3530, H3531
18920G-04	18920G-04	DC-1A

EDMO#	MFR#	DESCRIPTION/COMPATIBILITY
BOOM ASSEMBLIES		
12765G-04	12765G-04	Boom assembly | H10-30, H10-36, H3335
18740G-19	18740G-19	Flex boom assembly with mic
WINDSCREENS		
18417G-02	18417G-02	Mic shield cushion | H3312, H3313, H3310
18434G-02	18434G-02	Windscreen | M-1 DC
40062G-01	40062G-01	Windscreen | M-4
40062G-02	40062G-02	Windscreen | M-7 (includes O-Ring)
40062G-04	40062G-04	Windscreen | M-77, M-7A (water resistant)
40688G-67	40688G-67	Microphone cover kit

SWITCH & PUSH TO TALK ASSEMBLIES

EDMO#	MFR#	DESCRIPTION
18661G-01	18661G-01	Replacement switch assembly volume control | 1000Ω
26619P-29	26619P-29	Replacement push-to-talk switch

G2 PNR HEADSET
FARO AVIATION LLC



The Faro® G2 PNR headset is lightweight and comfortable with precise, clear audio that uses passive noise reduction to reduce noise by 26 dB.

- Large cushions made of soft, durable fiber are built into the headband
- Noise-canceling electret microphone and fully adjustable beam with windscreen
- Comfortable, ultra-thick silicone gel ear protection reduces noise by 26 dB
- MP3/Audio compatible with a built-in 3.5 mm audio jack and included auxiliary cable
- Weight: 13 oz

EDMO#	MFR#	DESCRIPTION
G2-BLACK	FARO G2-PNR / X000T93H67	G2 PNR
G2-H-BLACK	FARO-G2PNR-HELI-BLACK	G2 PNR | Helicopter
G2-PNR-CEP	G2-PNR-CEP	G2 PNR | CEP plug

AIR IN-EAR HEADSET
FARO AVIATION LLC



The Faro Air In-Ear headset, as its name implies, is extremely lightweight, weighing only 1 ounce. Though lightweight, this headset provides more than 30 dB of noise reduction with Faro's slow-recovery composite foam ear tips. They are slightly longer than typical earplugs to fit deeper into the ear canal and create an effective seal while exerting low pressure in the ear canal. It also features premium speakers rated at 280Ω, a noise-canceling electret microphone, replaceable foam ear tips, and padded ear hooks for a secure and comfortable fit.

- Weighs only one ounce
- Provides over 30 dB noise reduction with slow-recovery composite foam ear tips that create an effective seal in the ear canal
- Auxiliary audio input, dual volume control, mono/stereo switch

EDMO#	MFR#	DESCRIPTION
FARO-AIR	FARO-AIR	Air in-ear headset
FAROAIRBUS	FARO-AIR-ABUS	Air in-ear headset for Airbus
ACCESSORIES		
FARO-EP-SM	FARO-EP-SM	Small in-ear pieces, 3-pack
FARO-EP-MD	FARO-EP-MD	Medium in-ear pieces, 3-pack
FARO-EP-LG	FARO-EP-LG	In-ear pieces, large, 3-pair pack

FARO HEADSET ACCESSORIES



EAR-SEAL EARCUSHION BAG-BLACK MIC-COVER

EDMO#	MFR#	DESCRIPTION
EAR-SEAL	GEL-EAR-SEAL	Silicone gel ear seals
EARCUSHION	LEATHER-EAR-CUSHION	Faux leather ear cushion
BAG-BLACK	FAROBAG-BLACK	Headset bag | Black
MIC-COVER	FARO-MIC-COVER	Microphone cover

PA-1181T PASSIVE HEADSET
PILOT USA



PA-1181T PA-1181TP

The PA-1181T Passive Headset offers up a sleek design kitted out with solid technology and comfort-enhancing touches. The wearer can be assured of crystal-clear communications with 24 dB of passive noise reduction and a noise-canceling electret microphone, while the construction, embellished with chrome and textured black ear cups, provides a sophisticated, professional look. A full, flexible microphone boom allows for precise positioning of the mic while a built-in PTT button on the right ear cup ensures easy access to that function if the portable PTT or yoke-mounted PTT fail. Comfort and common sense come together in this headset's cushioning design, which includes soft silicone gel ear seals and a pillow-top head pad that can be washed when needed.

- Provides 24 dB of passive noise reduction
- Built-in PTT button installed on the right ear cup is an ideal stand-in if the portable PTT fails or if the yoke-mounted PTT is inoperative
- Includes a "true stereo" input jack so that the user can listen to or watch media on cellphones and tablets
- Provides mono/stereo capability and is compatible with 3.5 mm (4 conductor) and 2.5 mm inputs
- Weight: 15.9 oz

EDMO#	MFR#	COLOR
PA-1181T	PA-1181T	Black
PA-1181TP	PA-1181TP	Pink

PA-1171T PASSIVE HEADSET

PILOT USA
EDMO# PA1171A16
MFR# PA-1171T A16



This headset sets the standard for comfort and clear communications while providing superior noise protection. Confor® foam ear seals and a pillowtop head pad make this unit fit perfectly. Its half-metal/half-flex boom enables the electret microphone to be placed precisely in front of lips. This model comes standard with the combined "true stereo" and amplified cell/satellite phone input jack. A padded protective bag is included.

- Passive Noise Reduction (NRR): 24 dB
- Cell/Satellite phone interface
- Half metal/half flex "memory" microphone boom

EDMO#	MFR#	DESCRIPTION
PA-1171T	PA-1171T	PA-1171T PNR
PA1171A16	PA-1171T A16	PA-1171T PNR | A16 cable and PTT on the cable

PA-1169T PASSIVE HEADSET

PILOT USA
EDMO# PA-1169T
MFR# PA-1169T



The PA-1169T Passive Headset is an entry-level headset at an excellent price point that doesn't scrimp on comfort and quality. The wearer can expect crystal clear communications with an electret noise-canceling microphone on a half-metal/half-flex adjustable microphone boom, while mono/stereo capabilities and dual volume controls for each ear cup provide versatility. Not only is this headset compatible with satellite phones and cellphones, but its "true stereo" input jack makes it easy for the user to listen to music or watch movies using various media, including iPods, iPads, and other tablets. Foam ear seals and a foam head pad ensure comfort on long flights.

- Provides 24 dB passive noise reduction
- Equipped with an electret noise-canceling mic and a half-metal/half-flex microphone boom
- Provides mono/stereo capability and is compatible with 3.5 mm (4 conductor) and 2.5 mm inputs
- Dual volume control on each ear cup
- Comes with a padded headset bag
- Construct with black and gray earcups with chrome hardware
- Weight: 15.9 oz

PA-1161 PASSIVE HEADSET

PILOT USA



The PA-1161 Passive Headset is an entry-level headset that is ideal for student pilots, passengers, or those needing to purchase a spare headset at a lower price point. This headset is durably constructed with chrome hardware and a half-flex, half-metal microphone boom. The PA-1161 comes with an electret noise-canceling microphone, and it provides mono/stereo capability with dual volume controls for each ear cup. Foam ear seals and a foam head pad ensure a soft, comfortable fit.

- Provides a passive NRR of 24 dB
- The chrome headband frame is cushioned with a foam headband ear seals
- The noise-canceling electret mic can be positioned as needed on the half-metal/half-flex mic boom
- Volume can be individually adjusted on each earcup
- Weight: 15.4 oz

EDMO#	MRR#	DESCRIPTION
PA-1161	PA-1161	PA-1161
PA-1161H	PA-1161H	PA-1161 | Helicopter

PA-1160 PASSIVE HEADSET

PILOT USA



The PA-1160 passive headsets are designed to be directly plugged into various Icom aviation transceivers—thereby removing the need for any adapters.

- PA-1160AI provides 24 dB of passive noise reduction, the PA1160AIR provides 23 dB
- PA-1160AI has a right-angle plug for direct connection into Icom A4, A6, A14, A22, and A24 handheld radios
- PA-1160AIR has a straight plug for direct connection into Icom A2, A3, A4, A6, A14, A20, A21, A22, and A24 handheld radios
- Includes an installed inline Press-To-Talk (PTT) switch on the comm cord
- Weight: 15.9 oz

EDMO#	MFR#	DESCRIPTION/COMPATIBILITY
PA-1160AI	PA-1160AI/STRAIGHT	PA-1160 - straight plug | Icom A2, A3, A4, A6, A20, A21, A12
PA-1160AIR	PA-1160AI/RIGHT	PA-1160 - right angle plug | Icom A6, A14
PA-1160A16	PA-1160PTT/A16	PA-1160 - right angle plug | Icom A16

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PA-1151ACB CADET PASSIVE CHILDRENS' HEADSETS

PILOT USA



PA-1151ACB



PA-1151ACG

Designed for the specific needs of young aviators, the PA-1151ACB Children's Headset is a passive headset that is designed for smaller heads but includes all of the trimmings that come with an adult headset. To accommodate smaller head circumferences, this headset is designed with a smaller headband with a smaller version of Pilot USA's SuperCushion head pad and a full, flexible microphone boom that is shorter than an adult-sized headset boom. This headset is also compatible with media players, so that little pilots-to-be can stay entertained in-flight with their tablet, laptop, or cellphone. Provides passive noise reduction of 24 dB.

EDMO#	MFR#	COLOR
PA-1151ACB	PA-1151ACB	Red & blue ear cups
PA-1151ACG	PA-1151ACG	Pink ear cups

PA-1140HNE BEHIND-THE-HEAD STYLE PASSIVE HEADSET

PILOT USA
EDMO# PA-1140HNE
MFR# PA-1140HNE



Pilot USA's best passive noise-attenuating headset by design. Behind-the-head metal band keeps the headset close to your head. The Velcro adjustable overhead strap keeps the headset stable from slipping off the head. Headsets can be used with construction and public safety hard hats where handheld radios are in use but are mostly recognized on the heads of pit crews in motorsports racing. Pit crews who have adopted this style of behind-the-head headsets belong to NASCAR, ARCA, CART, and SCCA because of its superior noise cancellation. The headset comes normally with a noise-canceling electret microphone but can be fitted with a less sensitive M101 or M87 dynamic microphone.

- Foam ear seals
- Noise-canceling electret microphone
- Individual volume control
- Half-metal/half-flex microphone boom

PILOT USA HEADSET ACCESSORIES

EAR SEALS



FL-ES-15



FL-ES-HEL



PA-20

EDMO#	MFR#	DESCRIPTION
FL-ES-15	PA-22G	Slide-on gel ear seals, 1 pair
FL-ES-HEL	PA-22GL	Slide-on gel ear seals, 1 pair - large size
PA-20	PA-20	Cloth ear seal covers, 1 pair
PA-21G	PA-21G	DNC/XL gel ear seals

MICROPHONES/WINDSCREENS/BOOMS



PA-10L



PA-10



PA-5X

EDMO#	MFR#	DESCRIPTION
PA-5X	PA-5X	Electret microphone and windscreen | Black
PA-9EHN	PA-9EHN	Extreme high noise electret microphone
PA-10	PA-10	Foam windscreen | electret microphone
PA-10L	PA-10L	Foam windscreen | dynamic microphone
M87/5 OHM	PA-87.5	Low impedance military microphone
MICROPHONE BOOMS		
1142-20AF	1142-20AF	180 mm flex mic boom for electret microphone
1142-20M	1142-20MS	Metal swivel mic boom | chrome

BTH-800 WIRELESS DUAL EAR HEADSET

PRYME RADIO PRODUCTS
EDMO# BTH-800OHB
MFR# BTH-800-OHB



The BTH-800 is a Bluetooth wireless headset that fits over-the-head (OTH) and has a wide, comfortable head pad. Dual-link capability allows this completely wireless headset to be simultaneously connected to a smart device and a two-way radio. This rugged, dual-sided headset includes a noise-cancelling boom mic, a padded speaker, and a USB charging cable with a wall charger.

EDMO: YOUR SOURCE FOR AVIATION HEADSETS

No matter the aircraft EDMO has a headset to fit your needs. Here at EDMO, we pride ourselves on our ability to maintain a massive inventory of headsets with custom connections and configurations, with the intent to provide all of the necessary components that a customer could ask for. Give us a call at 1.800.235.3300 or visit edmo.com for more info.



- Fully integrated Bluetooth technology
- Dual operation Bluetooth for use with both cellphones and tablets at the same time as two-way radios
- Separate control buttons for PTT (radio) and cellphone (answer/call)
- Sealed rubber control switches keep dust and moisture out
- Two-color LED indicator shows status of power, low voltage, and link status
- Foam ear pads are easy to replace or upgrade to GEL type for maximum comfort
- Noise-reducing condenser boom microphone with windscreen
- Supports Bluetooth version 3.0 (class 2) and HSP, HFP, A2DP, and AVRCP profiles
- Typical range approx. 30 feet (10 meters)
- Operating time approx. 10 hours (standby 50 hours)
- USB charging cable and wall charger included

Weight:	0.77 lb
Dimensions:	8.66 x 5.12 x 3.54 in
Bluetooth version:	3.0 (class 2)
Bluetooth profiles:	HSP, HFP, A2DP, AVRCP
Sensitivity:	-90 dB
Range:	30 ft (10 m), typical
Built-in battery:	3.7 V, 330 mAH lithium-ion
Operatinging time:	10 hr (max)
Standby current draw:	6 mA
Standby time:	50 hr (max)
Temperature range:	Operating: -15°C to 50°C

1142 SERIES AUDIO SPEAKERS

PILOT USA

The 1142 Series Audio Speakers are high-impedance, moving-coil-type speakers designed for use in a low-altitude, headband-type headset or specific flight helmets; it also has ground crew support applications. The intended use is to provide audio communications under high noise conditions found in military, civilian, and general aviation environments.



1142-06300

EDMO#	MFR#	DIAMETER	IMPEDANCE
1142-0619	1142-06.19S	40mm	19Ω
1142-06300	1142-06.300S	50mm	300Ω
1142-06600	1142-06.600	28mm	600Ω

COMMUNICATIONS EARPLUG

CEP

The Communications Earplug is a device that provides the exceptional protection of an expanding foam earplug while passing to the ear the clearest speech signal attainable. Miniature transducers and foam earplugs are coupled to yield a high-quality communications device that can be used alone or in combination with circumaural hearing protection. Combining the foam earplug and the sound transducer into a single unit results in a simple but effective approach for providing the user with excellent sound attenuation and unparalleled speech intelligibility in even the noisiest environments.



CEP508-KO4

EDMO#	MFR#	DESCRIPTION
CEP199ESTP	CEP199-ESTP	Standard Foam Ear Tips | 6 Pair
CEP505C23V	CEP505-C23-V	Cable Assembly | Special Purpose
CEP508-KO4	CEP508-KO4	CEP Kit | CEP508-C15 CEP, CEP900IO4 Interface Harness
CEP706ESTB	CEP706-ESTB	Standard Foam Ear Tips | 100 Pair
CEP900IO4	CEP900-I04	Shell Mount Interface Harness

GROUND SUPPORT COMMUNICATION HEADSETS

MODEL H331X HEADSETS

DAVID CLARK COMPANY INC

Model H331X headsets are muff microphone-style headsets that are ideal for maintenance and ramp operations. This series of noise-canceling headsets provides a certified noise reduction rating of 26 dB.



H3310

- All headsets in this series are equipped with an M-1/DC noise-canceling amplified dynamic mic with varying configurations (see table below)
- Supplies a comfortable fit with a soft foam head pad and foam ear seals
- Corrosion-proof, chrome-plated headband and stirrup assembly
- Available with 30-inch or 25-foot cords

EDMO#	MFR#	CORD	MICROPHONE
H3310	12506G-05	30-inch straight cord with PJ-051 plug; mates C31-XX series extension cords	Snap-fastened nylon straps secure microphone muff to mouth
H3312	12515G-12	25-foot straight cord eliminates the need for extension cords	Microphone muff hangs freely, ready for periodic use
EAR SEALS (ONE PAIR)			
18316G-02	18316G-02	Foam ear seals | H3530, H3531, H3335, H3312, H3313	
EXTENSION CORDS			
C31-50	22397G-05	50 ft straight cord	
C31-100	22397G-06	100 ft straight cord	
MICROPHONES			
18315G-06	18315G-06	Microphone cord assembly | H3310, H3320	

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The changing nature of airspace communications demands equipment that keeps pace with the times. EDMO helps their customers stay at the technological forefront by supplying the best in aviation communications including wireless noise canceling headsets. Call one of our friendly sales representatives with questions at 1.800.235.3300 or find exactly what you need online at edmo.com.

DYNAMIC



MODEL H3335 HEADSET

DAVID CLARK COMPANY INC



The Model H3335 headset is a noise-canceling headset with a certified noise reduction rating of 24 dB. This headset is ideal for use in ramp communications and other ground support applications.

- Provides certified noise reduction at 24 dB
- Incorporates an M-1/DC noise-canceling amplified dynamic microphone
- Microphone can be moved to either the right or left side using the hinged wire boom
- Provides hands-free communication with a microphone on/off switch on the ear dome
- Designed with a corrosion-proof, chrome-plated headband and stirrup assembly
- 26 ft coil cord mates with C31-12, C31-25, C31-50, and C31-100 straight extension cords

EDMO#	MFR#	CORD	MICROPHONE
H3335	12304G-04	30-inch straight cord with PJ-051 plug; mates C31-XX series extension cords	snap-fastened nylon straps secure microphone muff to mouth
EAR SEALS (ONE PAIR)			
18316G-02	18316G-02	Foam ear seals | H3530, H3531, H3335, H3312, H3313	
EXTENSION CORDS			
C31-50	22397G-05	50 ft straight cord	
C31-100	22397G-06	100 ft straight cord	
MICROPHONES			
12765G-04	12765G-04	Boom assembly for MIC | H10-30, H10-36, H3335	
12948G-14	12948G-14	Microphone for M-1/DC | H10-30, H10-36, H3335	

HEADPHONES

AIRMAN 760 HEADPHONES

TELEX COMMUNICATIONS INC
EDMO# 64400-200
MFR# 64400-200



One of the most popular headsets in the world, the Airman 7XX family of headsets provides lightweight comfort and adaptability and weighs in at just over 3 ounces. The fit can be customized to the wearer—the earphone housings are mounted on stainless steel sliders that allow over two inches of adjustment. There are two versions of the Airman headset available: the Airman 760, consisting of headphones only, and the Airman 750, which includes an amplified, noise-canceling electret mic (see page 228 for the Airman 750).

- Open-air style earphones
- Earphone housings are mounted on stainless steel sliders that provide over two inches of fit adjtment
- Comes with removable ear cushions designed for quick field replacement
- Weighs 3.2 oz
- FAA TSO-C57a approved

HEADSET ADAPTERS & INTERFACES

Y ADAPTERS

EDMO#	MFR#	DESCRIPTION	
JB-05	EJB-05	2-foot double headset Y adapter, single 0.25-inch phone jack into two	

NEXUS ADAPTERS

NEXUS

Nexus is a leading manufacturer of connectors used in communication devices, including microphone and telephone jacks and plugs.

EDMO#	MFR#	DESCRIPTION	
MJ-122	MJ-122	2-conductor glass-filled microphone jack	
MP-103	MP-103	3-pin microphone plug	
TJSS-108	TJSS-108	Biaxial shielded telephone jack connector that features a two-switch design and eight conductors	

PILOT USA HEADSET ADAPTERS

PILOT USA

Pilot USA provides multiple adapters for use in helicopters and fixed-wing aircraft.

EDMO#	MFR#		
FIXED WING			
PA-72B	PA-72B	Dual Lemo 6-pin headset adapter allows two panel-powered headsets to be used in one panel power headset jack	
PA-72S	PA-72S	6-foot dual headset adapter for monaural or stereo headsets	
PA-73	PA-73S	Dual headphone adapter: single radio or intercom headphone jack into two	

EDMO#	MFR#		
PA-74	PA-74	Dual microphone Y adapter	
PA-76/FISC	PA-76/FISC	GA to 8-pin Fischer headset adapter	
PA-77B	PA-77B	5ft Bose Lemo headset extension	
PA-77S	PA-77S	Headset extension cable for monaural or stereo headsets. Available in 5-foot (PA-77S), 10-foot (PA-77S-10), and 25-foot (PA-77S-25) lengths	
PA-78	PA-78	5-foot replacement monaural headset cable with PJ-055 and PJ-068 plugs	
PA-79DNC	PA-79DNC	Detachable GA mono/stereo comm cord for PA-1776, DNC/XL, PA-2160, and PA-1779 headsets	
PA-80S	PA-80S	General aviation music player adapter	
PA-80S-H	PA-80S/HERO3	General aviation W Hero3 recorder adapter mini USB to GA dual plug	
PA-80S/5-6	PA-80S/HERO5	GoPro Hero 5 and 6 audio recorder headset adapter	
PA-80S-I	PA-80S/iPHONE	General aviation iPhone/smartphone digital audio recorder adapter 3.5mm to GA dual plug	
PA-80S/D	PA-80S/DIGITAL	General aviation digital audio recorder adapter 3.5mm to GA dual plug	

EDMO#	MFR#		
PA-82	PA-82	Headset adapter for ICOM A3, A6, A22, and A24. PJ-055 and PJ-068 to ICOM plug	
PA-82/A25	PA-82/A25	Headset adapter accepts standard PJ-055 & PJ-068 plugs to ICOM A25 right-angle plug	
PA-82K	PA-82K	Headset adapter accepts standard PJ-055 & PJ-068 plugs to Bendix King KX-99 straight plug	
PA-83	PA-83	4-conductor Europe NATO plug to 4-conductor US NATO plug	
PA-85	PA-85	Headset adapter for ICOM A23 and A5: PJ-055 and PJ-068 to ICOM A23 straight 3.5mm plug	
PA-86A	PA-86A	Amplified cell phone/music player adapter	
PA-86BLU/G	PA-86BLU/GA	BluLink interface adapter for general aviation plug	
PA-86BLU/H	PA-86BLU/H	BluLink interface adapter for helicopter plug	
PA-87	PA-87	High to low impedance converter, GA high to military low	
PA-88	PA-88	Low to high impedance converter, military low to GA high	
PA-89/A20	PA-89/A20	Bose A20 to general aviation adapter, 6-pin Lemo	

EDMO#	MFR#		
PA-89A/A20	PA-89A/A20	Bose A20 to Airbus XLR 6-pin adapter	
PA-89B	PA-89B	Bose X panel mount headset to general aviation adapter	
PA-89F/A20	PA-89F/A20	Bose A20 6-pin Lemo to Fischer 8-pin adapter, straight	 PA-89FA20R
PA-89FA20R	PA-89FA20R	Bose A20 6-pin Lemo to Fischer 8-pin adapter, right angle	
PA-91	PA-91	General aviation to 0.25-inch single plug adapter 0.206-inch mic and 0.25-inch phone to 0.25-inch single plug	
PA-92	PA-92	0.25-inch single plug to general aviation adapter: single 0.25-inch to 0.206-inch mic and 0.25-inch phone plug	
PA-93B	PA-93B	General aviation to Bose 6-pin Lemo adapter	
PA-96	PA-96	GA headset to PC/flight simulator adapter, GA dual jacks to dual 3.5 mm plugs for computers	
PA-97	PA-97	General aviation to Airbus adapter	
PA-97.5	PA-97.5	Airbus to general aviation adapter	
PA-99	PA-99	General aviation inline volume control	

EDMO#	MFR#		
PA-104	PA-104	Fischer 8-pin headset to a single Bose 6-pin Lemo connector	
PA-176	PA-176	David Clark H10-76 conversion kit. Single U-74/U plug to a dual plug PJ-055 and PJ-068	
HELICOPTER			
PA-72H	PA-72H	Dual headset Y adapter. single helicopter plug to two helicopter plugs	
PA-75	PA-75	Helicopter to general aviation headset adapter. U-174/u or U-93A plugs with U92A/U socket to M642/4-1 (PJ-055) and M642/5-1 (PJ-068)	
PA-76	PA-76	General aviation to helicopter headset adapter M642/4-1 (PJ-055) and M642/5 (PJ-068) plugs to U-174/U	
PA-76-UK	PA-76/NATO	General aviation PJ-068 & PJ055B plugs into a single NATO TP120B (U174/U) helicopter plug.	
PA-77H	PA-77H	Helicopter extension cable U92A jack and U174/U plug. Available in 1-foot (PA-77H/1), 15-foot (PA-77H/15), 25-foot (PA-77H/25), and 50-foot (PA-77H/50) lengths.	
PA-80H	PA-80H	Helicopter music player adapter for military headsets	
PA-80H-H	PA-80H/HERO3	Helicopter GoPro Hero3 recorder adapter mini USB to helicopter U-174/U plug	
PA-80H-I	PA-80H/iPhone	Helicopter iPhone/smartphone digital audio recorder adapter 3.5 mm to helicopter dual plug	
PA-82H	PA-82H	Helicopter headset adapter for Icom A3, A6, A22, and A24. PJ-055 and PJ-068 to Icom plug	

EDMO#	MFR#		
PA-84	PA-84	4-conductor US NATO (U-174/U) to Europe NATO adapter (U-92A/U)	
PA-86AH	PA-86AH	Amplified cell phone/music player to helicopter adapter	
PA-87H	PA-87H	High to low impedance converter, helicopter high to military low	
PA-88H	PA-88H	Low to high impedance converter, military low to helicopter high	
PA-89BH	PA-89BH	Bose X panel mount headset to helicopter adapter	
PA-89H/A20	PA-89H/A20	Bose A20 to helicopter adapter, 6-pin Lemo	
PA-93BH	PA-93BH	Helicopter to Bose 6-pin Lemo adapter	
PA-94	PA-94	3-foot helicopter extension cable: U-93A plug to U-94A with Push-To-Talk	
PA-98	PA-98	Amplified cell phone/music player to helicopter adapter	
PA-103	PA-103S	Single-plug helicopter/military headset to a single Fischer 8-pin connector	

FARO AVIATION HEADSET ADAPTERS

FARO AVIATION LLC

EDMO#	MFR#	DESCRIPTION	
FAHLI20	FAHLI20	High to low impedance converter, GA high to military low	
FALHI20	FALHI20	Low to high impedance converter, military low to GA high	
FRYC01	FARO-YADPT	Converts A/C radio headset jacks (0.026-inch and 0.25-inch) to two, and it can be used with any general aviation headset using PJ-068 and PJ-055B or equivalent plugs	
HELICOPTER			
HELI-AD	FAROHELIAD	Helicopter adapter	

DAVID CLARK HEADSET ADAPTERS

DAVID CLARK COMPANY INC

EDMO#	MFR#	DESCRIPTION	
18667G-17	18667G-17	Headset adapter for use with C3017	
22378G-11	22378G-11	Headset stirrup and clamp kit for use with H3492	
41035G-02	41035G-02	Adapter cable pushback Gateway	
A99-14CRG	41034G-02	Charging unit for use with 9900 series wireless battery-powered modules	
C3019B	18667G-48	Headset to radio adapter for use with series 3000 headsets	
C6224	40918G-28	Radio adapter for use with Kenwood TK-X140/NX320 model radio	
40599G-98	40599G-98	Comm cord assembly kit	
09271P-34H	09271P-34HA000	6-conductor shielded cable for use with C3019B	

HEADSET ADAPTER LO TO HI Z

CANYON AEROCONNECT



AA39-187

Military headset adapter consisting of a 5 W dynamic military mic to general aviation 150 W amplified dynamic mic adapter, with an 8 W to 600 W transformer for phones matching. These small, remotely mounted metal units are equipped with D-sub connectors and are designed to operate from standard mic bias, supplied by the aircraft radio and intercom system.

EDMO#	MFR#	FOR USE WITH
AA39-187	AA39-187	One headset
AA39-287	AA39-287	Two headsets

AUDIO ADAPTER LIGHTNING TO 3.5MM HEADPHONE JACK

SKYE AVIONICS
EDMO# MMX62AM/A
MFR# MMX62AM/A



This adapter lets you connect devices that use a 3.5 mm audio plug to your Lightning devices. Works with all devices that have a Lightning connector and support iOS 10 or later, including iPod touch, iPad, and iPhone.

HEADSET PTT SWITCHES

AIRCLASSICS® PUSH TO TALK SWITCH

ASA
EDMO# PTT-2
MFR# PTT-2



Portable push-to-talk fits to the aircraft's yolk using a hook and loop strap that be easily secured and removed. This PTT switch provides quick access for communication over the radio. It is designed to be used with any general aviation headset, intercom, and radio.

- Low-profile, rugged, non-slip ergonomic button
- Hook-and-loop strap provides quick, convenient fit to all yoke sizes
- Superior contact switch for reliable communications
- Heavy-duty coiled cord and standard jack adapter
- Compatible with many headset manufactures

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FOOTSWITCH REMOTE / PUSH-TO-TALK SWITCH WITH CONNECTOR

DAVID CLARK COMPANY INC
EDMO# 40071G-04
MFR# 40071G-04



The 40071G-04 provides hands-free, remote radio transmit functionality for system users interfacing through U3810, U3814, U3815, U3815A, or U3816 Radio Interface Modules. It is an industrial-grade, momentary PTT footswitch that includes a 15' straight cord length and a mating MS-type connector for interface with the appropriate Series 3800 Radio Interface Module.

- Cast iron footswitch housing provides years of reliability
- Positive action, momentary SPDT switch
- Non-slip foot pad helps ensure ease of actuation

PT-300 PUSH-TO-TALK SWITCH

TELEX COMMUNICATIONS INC
EDMO# 63966-000
MFR# 63966000



The Telex PT-300 push-to-talk switch will enhance any current radio system and increase safety. This lightweight, compact black switch attaches directly to the yoke for hands-free communications. The adjustable hook and loop back strap will fit all yoke sizes with ease. Use this Telex in nearly any aircraft equipped with a standard plug jack adapter for easy installation. Its flexible coiled cord will keep you comfortable during every flight.

DAVID CLARK PUSH-TO-TALK SWITCH

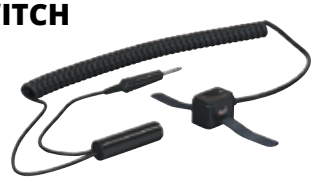
DAVID CLARK COMPANY INC
EDMO# C10-15
MFR# 18216G-01



- Portable push-to-talk (PTT) switches with double-pole switch contacts provide positive keying with no dead spots
- Constructed with durable, high-impact ABS plastic housing
- Highest-grade Velcro hook and pike yoke strap for tight, secured mounting
- Coil cord (5 ft extended) shielded for positive protection from radio frequency and electromagnetic interference

FARO PUSH-TO-TALK SWITCH

FARO AVIATION LLC
EDMO# PTT
MFR# FARO-PTT



The FARO® push-to-talk (PTT) switch mounts to the yoke with a strap and allows pilots to communicate with ATC, Unicom, and other aircraft with the push of a button. This push-to-talk switch is excellent for dual flights where co-pilots or instructors assist with communications.

PUSH-TO-TALK SWITCH COIL CORD

WORLD WIDE PRODUCTS
EDMO# WWP103
MFR# WWP103



The portable push-to-talk (PTT) switch is for use with any general aviation headset, intercom, and radio. This convenient switch mounts to the yoke with a velcro strap, allowing pilots to use their thumb to push the button and communicate.

MICROPHONE LIGHTS

MIKE LIGHTS

SEITZ SCIENTIFIC INDUSTRIES



ML-21



ML-22

Well known for their application by the US military, Mike Lites (also known as lip lites) are a necessity for night use in an aviation environment. Mike Lites are compatible with all night vision goggles and devices and can be mounted on helmets or headsets, on an M-87, M-162, or similar microphones. A pushbutton ON/OFF switch on the side of the light can be actuated by the wearer's lip or tongue; a slight push provides momentary light while an extended push places the switch in the "ON" position until a second extended push is used to turn the light off.

- Uses two AA batteries (not included).

EDMO#	MFR#	DESCRIPTION
ML-8	ML8	Mike Lite | NVIS, 3-green
ML-14	ML-14	Mike Lite | NVIS, 2-white and 1-green
ML-21	ML21	Mike Lite | NVIS, 3-green (bright)
ML-22	ML22	Mike Lite | NVIS, 1-white and 2-green
ML-24	ML-24	Mike Lite | NVIS 3-green A on Maxillo face shield and 3-green A on Mic

HANDHELD MICROPHONES

BTH-550 BLUETOOTH SPEAKER MICROPHONE

PRYME RADIO PRODUCTS

The BTH-550 wireless Bluetooth speaker microphone is lightweight and compact and provides excellent water resistance. The large rotary volume control knob is easy to operate—even when wearing gloves. This unit has a talk time capable of operating over 40 hours and can last over 30 days in standby mode between charges.



BTH-550

- Side-mounted PTT switch
- Top-mounted cellphone control switch
- 3.5-inch jack for optional headset connectivity
- Great sound when transmitting and receiving audio with Bluetooth technology
- Dust, weather, and rain resistant to IP56 standards
- 30-foot operating range



P-CHA-DT1

EDMO#	MFR#	DESCRIPTION
BTH-550	BTH-550-RADIO	Wireless Bluetooth speaker microphone
ACCESSORIES		
P-CHA-DT1	P-CHA-DT1	Drop-in desktop charger, includes wall adapter

BTH-600 STORM TROOPER BLUETOOTH SPEAKER MICROPHONE

PRYME RADIO PRODUCTS

EDMO# BTH-600
MFR# BTH-600



The BTH-600 is a heavy-duty, noise-cancelling, and completely wireless speaker microphone that uses Bluetooth technology. This hand microphone features over 40 hours of talk time and over 30 days of standby. Also, this unit has a simplified pairing process, a fully functional push-to-talk, and zero connectivity disconnects.

- Superb audio quality
- Dust, weather, and rain resistant to IP56 standards
- 10-meter operating range
- Easy-to-use power, push-to-talk button, and up/down buttons
- Built-in 3.5 mm earphone jack
- Includes USB charging cable and wall charger

HANDHELD WATERPROOF SPEAKER MICROPHONE

ICOM AMERICA INC

EDMO# HM-184H
MFR# HM184H



The HM184H is a waterproof speaker microphone with a 14-pin connector. This microphone is for use with handheld models F3261D, F4261D, F3360D, F4360D, F9011, and F9021.

903E SERIES ELECTRET MICROPHONE

TELEX COMMUNICATIONS INC

The model 903E condenser handheld microphone is ideal for high-noise environments such as aircraft cockpits, passenger cabins, control towers, or terminal areas. EMI, RFI, and magnetic signals are greatly reduced by the electret element for the clearest possible communications. This mic is recommended for advanced technology air transports using flight instrumentation systems (glass cockpits).



903-1341

- EMI and RFI protected for resistance to aircraft-generated magnetic fields
- Tailored voice response for high articulation per RTCA/DO-170
- Hanger bracket included

EDMO#	MFR#	DESCRIPTION
903-1341	903-1341	903E electret mic/PJ-068 plug
ACCESSORIES		
82343	82343	Front mic case

602T SERIES DYNAMIC MIC

TELEX COMMUNICATIONS INC



602-3375

The 602T uniquely meets the specialized requirements of airline, two-way radio, and industrial applications. Transistorized with a pressure-gradient microphone utilizing three sound entrances for reduction of interfacing ambient noise. The 602T is unexcelled at discriminating between near and distant sounds for maximum ambient noise rejection. The compact, single-stage transistor amplifier is specially stabilized and will operate uniformly from +550°C down to -200°C.

- EMI and RFI protected
- FAA TSO approved

EDMO#	MFR#	CONNECTOR	MOUNTING
602-3373	602-3373	XLR-4-12C	Blade hanger bracket
602-3374	602-3374	PJ-068	Slide hanger
602-3375	602-3375	PJ-068	Button hanger bracket
602-3376	602-3376	PJ-068	Hook loop hanger bracket
ACCESSORIES			
85715	85715	Amplifier	
86099	86099	Microphone cartridge	

500T ELECTRET MICROPHONE

TELEX COMMUNICATIONS INC
EDMO# 63333-000
MFR# 63333-000



The 500T noise-canceling aviation microphone consists of an electret microphone, an amplifier, and a push-to-talk switch. The 500T is resistant to the interference, hum, and squealing produced by 400 Hz power systems. Gain can be adjusted using the microphone gain trimmer that is accessible through the side of the microphone housing (it is recommended that adjustments be made by a certified technician). A noise cancellation duct on the back of the microphone should not be obstructed during use. Supplied with a hanger bracket and mounting hardware.

EDMO#	MFR#	DESCRIPTION
63333-000	63333-000	500T electret microphone | PJ-068 plug
63333-007	63333-007	500T electret microphone | XLR-4-12C connector

EDMO

BIG STORE SELECTION, PERSONALIZED SERVICE

At EDMO, we're all about providing customized service—particularly when it comes to aviation headsets and communication. We offer a wide selection of headsets with a variety of features and custom configurations. EDMO also carries the accessories needed to complete your entire aviation communications system. Give us a call at 1.800.235.3300 or visit edmo.com for custom headset connections and configurations.

100TRA SERIES DYNAMIC MIC

TELEX COMMUNICATIONS INC



The 100TRA is a noise-canceling aviation microphone consisting of a dynamic microphone, amplifier, and push-to-talk switch. The 100TRA gain trimmer, accessed by removing the back cover of the microphone, provides a range of gain adjustment (it is recommended that adjustments be made by a certified technician). A noise-canceling duct on the back of the microphone must remain unobstructed during use.

- Supplied with a hanger bracket and mounting hardware

EDMO#	MFR#	DESCRIPTION
62800-001	62800-001	100TRA dynamic microphone
ACCESSORIES		
61585-024	61585024	Replacement microphone assembly
62767-000	62767-000	Cord unit
62802-000	62802-000	Hanger bracket | 100TRA/500T microphones

66T SERIES DYNAMIC HAND MIC

TELEX COMMUNICATIONS INC



60837-008

The 66T is a noise-canceling handheld aviation microphone consisting of a dynamic microphone cartridge, a transistor amplifier, and a push-to-talk switch. The 66T provides excellent speech intelligibility with the ability to discriminate against all sounds coming from more than ½ inch away. Microphone gain can be adjusted through an opening in the back of the microphone (it is recommended that a qualified avionics technician make all adjustments). The microphone is supplied with an adhesive label that can be placed over the opening to prevent tampering.

- Two versions are available: the 66T base model and the 66TRA, which is supplied with a molded right-angle plug.

EDMO#	MFR#	DESCRIPTION
60837-001	60837-001	66T dynamic microphone
60837-008	60837-008	66TRA dynamic microphone | right angle plug

38T NOISE CANCELLING ELECTRET MICROPHONE

TELEX COMMUNICATIONS INC
EDMO# 63999-000
MFR# 63999-000



The 38T is a noise-canceling, hand-held aviation microphone. It consists of an electret microphone element, a microphone amplifier, and a push-to-talk switch enclosed in a rugged, black plastic housing. The 38T is extremely resistant to interference, hum, and squealing induced by 400Hz power systems. Also, the harsh switch popping common to other microphones has been eliminated in the 38T through the use of electronic switching.

- Built-in gain adjustment
- FAA TSO C58 approval

SWITCH & CABLE ASSEMBLIES

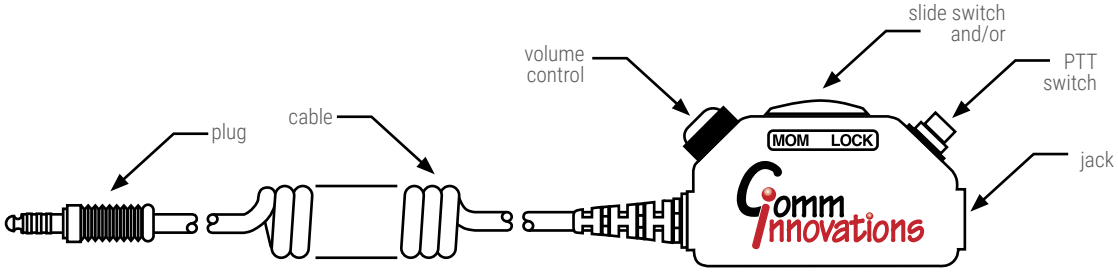
COMM INNOVATIONS SWITCH & CABLE ASSEMBLIES

COMM INNOVATIONS

CIX200, 300, and 400 series switch and cable assemblies can be assembled, repaired, or reconfigured for other purposes without a soldering gun. The interconnect module is fixed to the rear half of the switch case. All key components (cable, jack, volume control, slide switch, and PTT switch) plug into the interconnect module. The distribution header plugs into the interconnect module to provide the necessary switch and connection functions.

CIX200 SERIES SWITCH & CABLE ASSEMBLIES

WITH MICROPHONE INTERRUPT (NO KEY FUNCTION)



CIX2 ☐ ☐ ☐ ☐ ☐ — ☐

CASE & CLIP

CODE	COLOR	CLIP
1	black	large
2		none
3	beige	small
4		large
5		none
6	blue	small
7		large
8		none
9	gray	small
A		large
B		none
R	red	large
D	olive drab	large

SWITCH CONFIGURATION

CODE	DESCRIPTION
0	mom-mom
1	mom-lock (on)
3	PTT

JACK

CODE	DESCRIPTION
none	TJT-120 (civil helo)
TJ	TJT-101 (civil helo)
W	TJT-120 (military)
TJW	TJ-101 (military)
B	TJT-125 (5 contacts)
N	NATO (Europe)
C	CIJ-051 (commercial aviation)
F	U-61/U (USFS)
G	CIJ-055 & CIJ-068 (general aviation)

VOLUME CONTROL

CODE	IMP	GRND
none	none	n/a
H	hi	yes
HA	hi	no
L	lo	yes
LA	lo	no

CABLE & LENGTH

CODE	DESCRIPTION
K2	2 ft coil
KM	3 ft **
K3	3 ft coil
K6	6 ft coil
K10	10 ft coil
K15	15 ft coil
K20	20 ft coil
/XX	XX ft straight

PLUG

CODE	DESCRIPTION
74	TP-120 (civil helo)
74M	TP-120 (military)
75	U-75/U (USFS)
NP	NATO (Europe)
84	U-38/U (5 contacts)
YP	CIPC-055B & CIPC-068 (general aviation)
4L	lugs
4X	no plug

***Special coil cable for EMS applications, 20-inch straight section from end of cable to switch case.*

CIXAT200 SERIES SWITCH & CABLE ASSEMBLIES

WITH MICROPHONE INTERRUPT (NO KEY FUNCTION) & LOW TO HIGH IMPEDANCE ADAPTER

CIXAT ☐ **2** ☐ ☐ ☐ ☐ — ☐

SHIELDING

CODE	DESCRIPTION
none	adjustable amp and shielded transformer
S	shielded amp and transformer

CASE: see above

SWITCH: see above***

VOLUME CONTROL

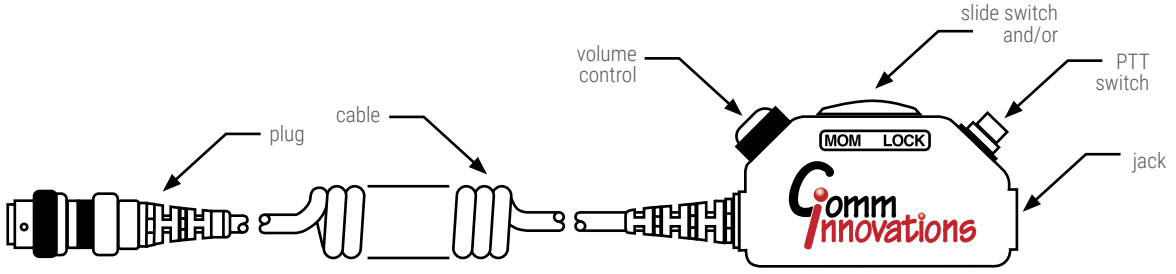
CODE	DESCRIPTION
none	no
H	grounded
HA	ungrounded

CABLE: see above

PLUG: see above

****CI VOX option not available.*

CIX300 SERIES SWITCH & CABLE ASSEMBLIES
WITH SINGLE KEY FUNCTION



CIX3 [ ] [ ] [ ] [ ] [ ] [ ] — [ ]

CASE & CLIP

CODE	COLOR	CLIP
1	black	large
2		none
3	beige	small
4		large
5		none
6	blue	small
7		large
8		none
9	gray	small
A		large
B		none
R	red	large
D	olive drab	large

JACK

CODE	DESCRIPTION
none	TJT-120 (civil helo)
TJ	TJT-101 (civil helo)
W	TJT-120 (military)
TJW	TJ-101 (military)
B	TJT-125 (5 contacts)
N	NATO (Europe)
C	CIJ-051 (commercial aviation)
F	U-61/U (USFS)
G	CIJ-055 & CIJ-068 (general aviation)

VOLUME CONTROL

CODE	IMP	GRND
none	none	n/a
H	hi	yes
HA	hi	no
L	lo	yes
LA	lo	no

CABLE & LENGTH

CODE	DESCRIPTION
K2	2 ft coil
KM	3 ft **
K3	3 ft coil
K6	6 ft coil
K10	10 ft coil
K15	15 ft coil
K20	20 ft coil
/XX	XX ft straight

PLUG

CODE	DESCRIPTION
74K	U-174/U (wired for key)
6P	MS3116E10-6P (6 contact plug)
6W	MS3476W10-6P (6 contact plug)
6WE	MS3476W10-6P & EMI backshell
10W***	MS3476W12-10P (10 contact plug)
10WE	MS3476W12-10P & EMI backshell
77	U-77/U (MIL-C-10544)
YK	CIPC-055 & CIPC-068 (general aviation)
5L	lugs
5X	no plug

SWITCH CONFIGURATION

CODE	DESCRIPTION	MIC INTERRUPT	CODE	DESCRIPTION	MIC INTERRUPT
0	ICS mom-mom	none	4	ICS mom-lock (vox)	mic hi
1	ICS mom-mom	mic hi	5	ICS mom-lock (CI vox***)	mic hi
2	ICS mom-lock	none	6	ICS PTT (3 contact)	none
3	ICS mom-lock	mic hi	7	ICS PTT (3 contact)	mic lo
0R	XMIT mom-mom	none	8	ICS PTT (DPDT)	mic hi
1R	XMIT mom-mom	mic hi	6R	XMIT PTT (3 contact)	none
2R	XMIT mom-lock	none	8R	XMIT PTT (DPDT)	mic hi
3R	XMIT mom-lock	mic hi			

***Special coil cable for EMS applications 20-inch straight from coil to switch case.*
****More MS3476W12-10P wiring options available.*

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CIXAT300 SERIES SWITCH & CABLE ASSEMBLIES
WITH SINGLE KEY FUNCTION & LOW TO HIGH IMPEDANCE ADAPTER

CIXAT [ ] **3** [ ] [ ] [ ] — [ ]

SHIELDING

CODE	DESCRIPTION
none	adjustable amp and shielded transformer
S	shielded amp and transformer

CASE
see above

SWITCH
see above**

VOLUME CONTROL

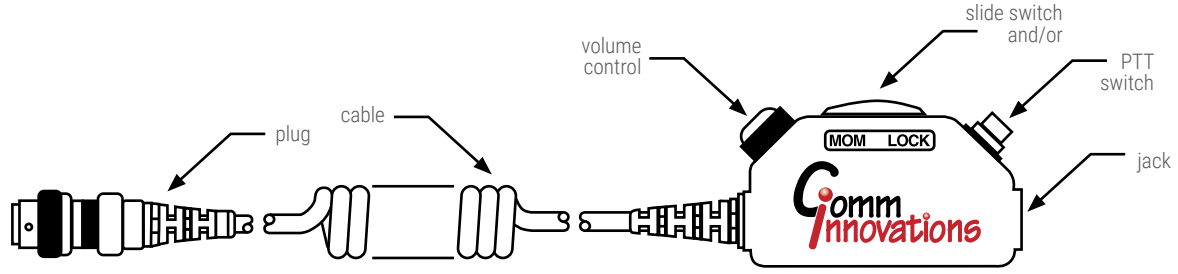
CODE	DESCRIPTION
none	no
H	grounded
HA	ungrounded

CABLE
see above

PLUG
see above

***CI VOX option not available.*

CIX400 SERIES SWITCH & CABLE ASSEMBLIES
WITH ICS & TRANSMIT KEY FUNCTIONS



CIX4 ☐ ☐ ☐ ☐ ☐ ☐ — ☐

CASE & CLIP

CODE	COLOR	CLIP
1	black	large
2		none
3	beige	small
4		large
5		none
6	blue	small
7		large
8		none
9	gray	small
A		large
B		none
R	red	large
D	olive drab	large

JACK

CODE	DESCRIPTION
none	TJT-120 (civil helo)
TJ	TJT-101 (civil helo)
W	TJT-120 (military)
TJW	TJ-101 (military)
B	TJT-125 (5 contacts)
N	NATO (Europe)
C	CIJ-051 (commercial aviation)
F	U-61/U (USFS)
G	CIJ-055 & CIJ-068 (general aviation)

VOLUME CONTROL

CODE	IMP	GRND
none	none	n/a
H	hi	yes
HA	hi	no
L	lo	yes
LA	lo	no

CABLE & LENGTH

CODE	DESCRIPTION
K2	2 ft coil
KM	3 ft **
K3	3 ft coil
K6	6 ft coil
K10	10 ft coil
K15	15 ft coil
K20	20 ft coil
/XX	XX ft straight

PLUG

CODE	DESCRIPTION
74K	U-174/U (wired for key)
6P	MS3116E10-6P (6 contact plug)
6W	MS3476W10-6P (6 contact plug)
6WE	MS3476W10-6P & EMI backshell
10W ****	MS3476W12-10P (10 contact plug)
10WE ****	MS3476W12-10P & EMI backshell
77	U-77/U (MIL-C-10544)
YK	CIPC-055 & CIPC-068 (general aviation)
5L	lugs
5X	no plug

SWITCH CONFIGURATION

CODE	SLIDE SWITCH	XMIT PTT	MIC INTERRUPT
0	ICS (mom)-Xmit (mom)	none	none
1	ICS (mom)-Xmit (mom)	none	mic hi
2	ICS (lock)-Xmit (mom)	none	none
3V	ICS vox (lock)-Xmit (mom)	none	mic hi
4	ICS (mom-lock)	3 contact	none
5	ICS (mom-lock)	3 contact	mic lo
6	ICS (mom-lock)	DPDT	mic hi
4M	ICS (mom-mom)	3 contact	none
5M	ICS (mom-mom	3 contact	mic lo
6M	ICS (mom-mom)	DPDT	mic hi
5V	ICS (mom)-CIS vox (lock)	3 contact	mic lo
6V	ICS (mom)-CIS vox (lock)	DPDT	mic hi
7***	ICS (mom)-CIVox (lock)	3 contact	none
8***	ICS (mom)-CIVox (lock)	3 contact	mic lo
9***	ICS (mom)-CIVox (lock)	DPTDT	mic hi

***Special coil cable for EMS applications 20-inch straight from coil to switch case.*
****This option is only available with switch configurations 3, 5, and 6. ICS is Vox only.*
*****More MS3476W12-10P wiring options available.*

CIXAT400 SERIES SWITCH & CABLE ASSEMBLIES
WITH ICS & TRANSMIT KEY FUNCTIONS & LOW TO HIGH IMPEDANCE ADAPTER

CIXAT ☐ **4** ☐ ☐ ☐ ☐ — ☐

SHIELDING

CODE	DESCRIPTION
none	adjustable amp and shielded transformer
S	shielded amp and transformer

CASE
see above

SWITCH
see above**

VOLUME CONTROL

CODE	DESCRIPTION
none	no
H	grounded
HA	ungrounded

CABLE
see above

PLUG
see above

***CI VOX option not available.*

STANDARD WIRING CONFIGURATIONS

MS3116A10-6P PLUG: -6P
MS3476W10-6P PLUG: -6W

6P STANDARD	
Mic Hi	red to B
Mic Lo	green, brown & all shields to C
ICS key	yellow to F
Xmit key	blue to E
Phones Hi	white to D
Phones Lo	black to A

MS3116A10-6P PLUG: -6P/1
MS3476W10-6P PLUG: -6W/1

6P OPTION 1	
Mic Hi	red to A
Mic Lo	green, brown & all shields to C
ICS Key	yellow to F
Xmit Key	blue to E
Phones Hi	white to D
Phones Lo	black to C

MS3116A10-6P PLUG: -6P/2
MS3476W10-6P PLUG:

6P OPTION 2	
Mic Hi	green to E
Mic Lo	red & mic shield to B
ICS Key	yellow to C
Key Return	brown & overall shield to F
Phones Hi	white to D
Phones Lo	black, blue & phone shield to A

MS3116A10-6P PLUG: -6PA
MS3476W10-6P PLUG: -6WA

6P OPTION A	
Mic Hi	red to B
Mic Lo	green to C
ICS key	yellow to F
Xmit key	blue to E
Phones Hi	white to D
Phones Lo	black, brown & all shields to A

MS3116A12-10P PLUG: -10P
MS3476W12-10P PLUG: -10W
MS3476L12-10P PLUG: -10W/L

10P STANDARD	
Mic Hi	red to F
Mic Lo	green & mic shield to G
Phones Hi	white to A
Phones Lo	black to B
ICS key	yellow to D
Xmit key	blue to E
Ground	brown, overall & phone shield to J

MS3116A12-10P PLUG: -10P/1
MS3476W12-1-P PLUG: -10W/1
MS3476L12-10P PLUG: -10P/1L

10P ALTERNATIVE 1	
Mic Hi	red to A
Mic Lo	green & mic shield to B
Phones Hi	white to C
Phones Lo	black to D
ICS key	yellow to E
Xmit key	blue to F
Ground	overall & phone shields to G

MS3116A12-10P PLUG: -10P/2
MS3476W12-10P PLUG: -10W/2
MS3476L12-10P PLUG: -10W/2L

10P ALTERNATIVE 2	
Mic Hi	red to E
Mic Lo	green to F
Key ground	brown to A
Mic Shield	drain to J
Phones Hi	white to G
Phones Lo	black to H
ICS Key	yellow to C
Xmit Key	blue to D
Ground	brown, overall and phone shields to backshell

MS3116A12-10P PLUG: -10P/5
MS3476W12-10P PLUG: -10W/5
MS3476L12-10P PLUG: -10W/5L

10 P ALTERNATIVE 5	
Mic Hi	red to B
Mic Lo	green & mic shield to A
Phones Hi	white to C
Phones Lo	black to D
ICS Key	yellow to E
Xmit Key	blue to G
Ground	brown, overall & phone shields to J

If the wiring configuration you need is not shown here, please give us a call at 1.800.235.3300 to specify how you would like to see your switch and cable assembly wired.



DROPCORDS

SKYE AVIONICS DROPCORDS

SKYE AVIONICS

Skye Avionics' drop cords are constructed to withstand rough use and conditions while providing the user with a versatile, ergonomic design that can be operated with either hand. All drop cords include long-life PTT switches that are rated to withstand 1,000,000 mechanical and electrical cycles and a volume control that is sealed in a container and panel sealed to IP67 specifications.

- Ergonomic design is CNC machined out of aluminum that is hard anodized to resist scratching
- Heavy-duty belt clip
- Coil cord available in varying lengths (see product table) with ICS switch (Lock-Mom) NICS



SAL-200-12

EDMO#	MFR#	CONNECTOR TYPE	CORD LENGTH (IN)	RADIO PTT
SAL-100-12	SAL-100-12	NATO plug	12	–
SAL-200-12	SAL-200	NATO plug	12	–
SAL-200-24	SAL-200	NATO plug	24	–
SAL-200-36	SAL-200	NATO plug	36	–
SAL-201-12	SAL-201	MS3116F10-6P	12	–
SAL-201-24	SAL-201	MS3116F10-6P	24	–
SAL-201-48	SAL-201	MS3116F10-6P	48	–
SAL-203-12	SAL-203	MS3116F10-6P	12	Yes
SAL-203-24	SAL-203	MS3116F10-6P	24	Yes
SAL-203-36	SAL-203	MS3116F10-6P	36	Yes
SAL-203-48	SAL-203	MS3116F10-6P	48	Yes
SAL-203BOX	SAL-203BOX			

INTERCOM SYSTEMS

AA85-001 INTERVOX IITM AIRCRAFT INTERCOM

CANYON AEROCONNECT



The AA85 InterVOX IITM aircraft intercom system is a voice-activated intercom system that provides full radio and intercom capabilities for the pilot and copilot without the clipping that occurs with relay-activated systems. A single AA85 accommodates 2, 4, or 6-place installations with full transmit and intercom capabilities for the pilot and co-pilot, along with intercom functions for up to four passengers. Equipped with a tie-in feature that allows the AA85 to be connected to a complex, multi-unit system as either a primary or secondary component.

- Pilot/crew/all modes tree-position toggle switch allows the pilot and crew isolation from passengers; crew and passengers retain full intercom and music capabilities within their group while passengers are prevented from hearing any radio communications during isolated operation
- VOX/LIVE/PTT modes; the intercom mode is set by the position of the respective VOX controls with separate VOX controls for the pilot and crew/passengers that compensate for the differences in noise levels and headset types between the front and rear of the aircraft
- Adjustable music mute/radio input levels allow music to be adjusted to mute up to 50% for passengers and 100% for the crew; conversely, radio volume levels can be set at a lower level for passengers while maintaining greater volume for the crew

EDMO#	MFR#	MIC INPUTS/DESCRIPTION
AA85-001	AA85-001	4-6 place, Intervox II, TSO
ACCESSORIES		
AA85-IKC	AA85-IKC	Crimp install kit for AA85
20-21-025	20-21-025	25 pin connector, D-sub, socket crimp, For use with AA85 series

AA83 INTERMUSIC STEREO INTERCOMS

CANYON AEROCONNECT



The AA83-001 is a four-place stereo voice-activated intercom that supports the pilot, copilot, and two passengers with full intercom capabilities. The units in this series also provide entertainment and communication audio in full stereo to all four headsets and transceiver control for both the pilot and copilot. The InterMUSIC series can be installed in several different configurations, from single-unit systems to fully independent stations for the pilot, copilot, and passengers. These systems can be further expanded using the tie line connections (compatible with AA80, AA82, AMS4x, and AA9x series units).

- Music is muted during ICS, ATC, and transmit operations; individual mic gating on ICS with adjustable muting depth
- Equipped with two color LED annunciators, including radio transmit green and ICS-triggered amber
- Controls include ICS volume, music level, VOX squelch, RX volume, RX balance, ICS balance, music balance, ICS bass, music bass, and dual pilot and copilot/passenger VOX controls
- Voice track trigger circuit with adjustable threshold on front panel; LIVE or HOT mic is operated by rotating the VOX control to extreme counter-clockwise position

EDMO#	MFR#	MIC INPUTS/DESCRIPTION
AA83-001	AA83-001	4 place, intercom, stereo
AA83-100M4	AA83-100	4 place, intercom, stereo, crimp kit included
ACCESSORIES		
AA83-IKC	AA83-IKC	Installation kit | AA83-001 only

AA82 INTERMUSIC STEREO EXPANSION UNIT

CANYON AEROCONNECT



The AA82 InterMUSIC™ Stereo Intercom System is a passenger entertainment and communication system. The AA82-060 system is compatible with AA83 intercoms and provides six stereo positions. The InterMUSIC system supports up to six stereo positions and can be connected to a forward flight crew system or expanded passenger loop using the ICS tie line.

- Music mutes during ICS, ATC, and transmit operations; individual mic gating on ICS with adjustable muting depth
- Equipped with two color LED annunciators, including radio transmit green and ICS-triggered amber
- Controls include ICS volume, music level, VOX squelch, RX volume, RX balance, ICS balance, music balance, ICS bass, music bass, and dual pilot and copilot/passenger VOX controls
- Voice track trigger circuit with adjustable threshold on front panel; LIVE or HOT mic is operated by rotating the VOX control to extreme counter-clockwise position

EDMO#	MFR#	MIC INPUTS/DESCRIPTION
AA82-060	AA82-060	6 place stereo expansion unit
ACCESSORIES		
AA82060IKC	AA82-060-IKC	Installation crimp kit
D44SL-IKC	D44SL-IKC	Installation crimp kit

AA80 INTERVOX INTERCOM SYSTEM

CANYON AEROCONNECT



The AA80 InterVOX is an advanced cockpit intercom system for general aviation flying that provides full boom mic transmit and ICS operation for the pilot, copilot, and 2-4 passengers. The InterVox also provides a stereo input that is muted during transmit and ICS operations (pilot privacy function). Transparent ICS allows immediate transmission from the ICS mode without any additional switching.

- InterVOX system uses AEM's audio processing system of dynamic noise reduction and selective bandwidth to produce clean, crisp intercom audio under noisy conditions
- High output power and low distortion ensure adequate levels for all types of headsets and flying conditions
- Provides split bus operation and automatic emergency switching in the event of power failure

EDMO#	MFR#	MIC INPUTS/DESCRIPTION
AA80-001	AA80-001	4 place intercom | VOX
AA80-020	AA80-020	4 place intercom | VOX & PTT
ACCESSORIES		
AA80-IKC	AA80-IKC	Installation crimp kit

EDMO
NOT FINDING WHAT YOU NEED?
If you don't see what you need here, it's likely we have it, or can order it in for you. Call us at 1.800.235.3300 or visit edmo.com for more info.

9900 SERIES WIRELESS INTERCOM SYSTEM

DAVID CLARK COMPANY INC


H9990


U9910-BSW


U9920-GPB

The Series 9900 Wireless Intercom System is the perfect solution for ground support communications in demanding, high-noise environments such as airline and airport operations, fire and rescue applications, or any application requiring robust, reliable, and secure communications. This system is ideal for push-back operations, wing-walkers, marshalling agents, maintenance mechanics, and de-icing operations. The 9900 wireless system consists of the push-back gateway, wireless belt stations, and any Series 9900 wireless headsets.

- Provides hands-free, full-duplex, and voice-activated intercom communications
- DECT 6.0-based technology provides secure signaling and prevents unwanted interceptions and eliminates crosstalk with other systems or workgroups
- Works with any Series 9900 wireless headset
- Controls incorporate a power button used for close-proximity linking, a VOX adjustment used for mic control, and a large PTT switch used for override or radio PTT applications
- VOX helper tones assist users when setting up the optimal volume for any high-noise environments through the rotary switch
- Included black rubberized protective skin adds impact protection
- Voice prompts inform the user about the wireless link status
- Marine-grade, watertight, impact-resistant enclosure provides rugged durability and reliability
- 360-degree rotating belt clip provides versatile attachment and accessibility options
- A watertight battery compartment holds the user-replaceable, rechargeable Li-Polymer battery so that the belt station can stay in service

EDMO#	MFR#	DESCRIPTION
H9990	H9990	Wireless single ear over the head style headset with M-2 dynamic noise cancelling microphone, 7-pin belt station connector
U9910-BSW	40992G-01	Wireless hands free belt station with full duplex, voice activated intercom communication. Works with any 9900 wireless headset
U9920-GPB	40993G-01	Hands free push back gateway accommodates up to 4 wireless belt stations
ACCESSORIES		
40688G-90	40688G-90	Lithium polymer battery pack, 3.7V, 2260 mAh. For use with 9900 series belt stations and push back gateway

3800 SERIES WIRELESS GATEWAY

DAVID CLARK COMPANY INC



The 3800 Wireless Gateway Intercom system is designed to provide communications in high-noise environments such as in emergency response situations. System components include an interface module, appropriate cables, and noise-attenuating headsets. The 3800 series intercom system provides fire/rescue/EMS personnel with crisp and clean communications with attenuated background noise while providing hearing protection to the user. This system can also provide connectivity to mobile radios, allowing all personnel to monitor radio traffic.

- Rugged, serviceable, modular design
- Built weather-tight for operations in severe weather conditions
- Versatility to accommodate most vehicle and system design requirements
- Ideal for fire, ambulance, and rescue boats, and utility and construction vehicles of all types

EDMO#	MFR#	DESCRIPTION
40995G-01	40995G-01	3800 Series Wireless Gateway
ACCESSORIES		
18748G-24	18748G-24	U9922-G38 Power cord
41035G-09	41035G-09	PB Gateway adapter cable | 7-pin MS connector

TWO PLACE STEREO INTERCOM

PILOT USA



The PA-200T is a 2-place mono intercom that offers clear communications. The adjustable volume control and squelch control allow for easy, precise adjustment for all levels of ambient noise. This intercom is also fitted with an AUX jack that can be used for cell/satellite phone calls or inputting music.

- Compact and portable
- Aux input for cell/satellite phones or music
- Pilot/co-pilot volume control
- Voice activated (vox)
- Adjustable squelch circuit
- Fail-safe mode
- Easy battery access
- Powered by a nine-volt battery
- 25–30 hours of battery life
- Includes a PTT (Push-to-Talk) switch

EDMO#	MFR#	DESCRIPTION
PA200TA16	PA-200T/A16	2-Place Intercom | IC-A16 Radio
PA-200TA25	PT-200T/A25	2-Place Intercom | IC-A25 Radio

FOUR PLACE STEREO INTERCOM

PILOT USA
EDMO# PA-400ST
MFR# PA-400ST



The PA-400ST is a tried-and-true 4-place stereo intercom that has been used in the general aviation industry for over 25 years. This unit has a completely portable design that provides four-station capability with 3-way isolation control, dual volume controls for pilot and copilot, and a soft-mute feature that automatically lowers the volume when ATC comes in. The PA-400ST is also equipped with an AUX cell phone jack that is compatible with smartphones and satellite phones.

- Completely portable design with four-station capability
- Provides voice-activated (VOX) transmission capabilities, a soft-mute feature that automatically lowers volume when ATC comes in, and dual volume controls for pilot and copilot

SPEAKERS

AIRCRAFT SPEAKERS

MISCO



A52FC-I



EC4S-FR-I



FC46S4FR

These aircraft speakers are light, easily intelligible speakers constructed with titanium and neodymium material for a light, tough, aircraft-worthy design. For improved safety in aerospace applications, these speakers incorporate flame-retardant materials, including Kevlar® fabric.

EDMO#	MFR#	SHAPE/SIZE	RATED POWER
3.2 Ω IMPEDANCE			
A52FC-I	A52FC-I	Pin cushion | 5.25 in dia.	12 watts
4 Ω IMPEDANCE			
FC46S-4FR	FC46S-4FR	Oval | 4 x 6 in	12 watts
FC6S-4FR	FC6S-4FR-I	Pin cushion | 6 in dia. (flame retardant)	12 watts
JN69S-4FRI	JN69S-4FR-I	Oval | 6 x 9 in	20 watts
8 Ω IMPEDANCE			
EC4S-FR-I	EC4S-FR-I	Square | 4 in dia.	12 watts
EEN4FR-8A	EEN4FR-8A	Interior cabin | 4 in dia.	15 watts
FC48S-FR	FC48S-FR	Oval | 4 x 8 in	12 watts
RDC35S	RDC35S	Non-aviation | 3 x 5 in	4 watts

HEADSET TESTERS

SLA2000 PORTABLE HEADSET TESTER

MOBILTECH



The SLA2000 Headset Tester will test both civilian and military headsets. Incorporating a NATO plug, a mic amplifier for gain, and impedance matching on the phone outputs.

- Ability to test mono and stereo headsets and handheld microphones
- Test equipment outside the aircraft and its intercom system
- 9-volt battery provides 10 hours of PTT function.

Weight:	2.5 lb
Dimensions:	5 x 3 x 2 in
Power Requirements	Internal 9V battery

EDMO#	MFR#	DESCRIPTION
SLA2000	SLA2000	SLA2000 Portable Headset Tester | High Impedance
SLA2000-LI	SLA2000-LI	SLA2000-LI Portable Headset Tester | Low Impedance

FBO Supplies

Fuel Testing & Sampling 502
Remove Before Flight & Pitot Covers 502
Tie Downs 504
Wheel Chocks 504
Tow Bars 505
Wind Socks & Frames 505

FUEL TESTING & SAMPLING

AIRCRAFT FUEL TESTER

ASA



AFT-1

Protect yourself from fuel contamination by visually checking the fuel for water and debris. Fits all quick-drain valves and has an adapter for recessed drains. The transparent cylinder is 6" long with octane color-coding molded in the side. Also includes a screwdriver blade with both Phillips and slotted heads.

EDMO#	MFR#	LENGTH (IN.)
AFT-1	ASA-AFT-1	6 in
AFT-SHORT	AFT-SHORT	4 in

FUEL TEST CUP

ASA
EDMO# AFT-C
MFR# AFT-C



Protect yourself from fuel contamination by visually checking the fuel for water and debris. Clear cup with a reinforced steel pin that works with most aircraft. Measures 2.5 x 1.75 in.

GATS JAR

AVIAGEAR



GATS/12

The GATS Jar fuel testers are used to collect pre-flight inspection fuel samples. The jar then separates any co-mingled fuel and water by allowing the fuel to be poured back into the tank through a special built-in filter that traps the water behind. This allows the fuel samples to be returned to the aircraft instead of being discarded.

- Environmentally responsible
- Filters out particulate fuel contamination
- Simple and certain octane recognition
- Compatible with all general aviation fuels

EDMO#	MFR#	CAPACITY
GATS/12	GATZ 12	12 oz
GATS/16	GATS 16 OZ.	16 oz

FUELHAWK GAUGE

LUSO AVIATION



The FuelHawk Gage is made of heavy, clear plastic that is unbreakable. This gauge is easy to use and gives an instant readout in gallons of usable fuel on a calibrated scale card. Ideally used when the pilot must take a less-than-full fuel load due to weight considerations or measuring how much is actually in the tank.

- Available for 12-, 19-, 26.5-, 39-, and 43.5-gallon tanks

EDMO#	MFR#	CAPACITY	USE WITH
C-152/12	C-152/12GAL	12 Gallon	Cessna 152
C-172/19	C-172/19	19 Gallon	Cessna 172 Skyhawk
C-172/26.5	C-172/26.5GAL	26.5 Gallon	Cessna 172 Skyhawk
C-182/39	C-182/39 GAL	39 Gallon	Cessna 182 Skylane
C-182/43.5	C-182/43.5 GAL	43.5 Gallon	Cessna 182 Skylane
UNIV/11	UNIV/11	11 Gallon	Universal
UNIV/16	UNIV/16	16 Gallon	Universal

REMOVE BEFORE FLIGHT & PITOT COVERS

PITOT TUBE COVER

ASA
EDMO# PTC-34
MFR# PTC-34



This pitot tube cover fits snugly over 3/4-inch pitot systems, found on Cessna 150, 152, 172, 177, 182, 200 Series, Skymaster, and the Falcon jet. Critical to safe operations, the cover keeps dirt, contamination, and insects from entering the pitot tube. A red "remove before flight" streamer hangs off the cover as a prominent preflight reminder to pilots. The cover uses a heavy-duty plastic material; the 2 x 17-inch banner is bright red with white screen printing for maximum visibility.

REMOVE BEFORE FLIGHT BANNER

ASA
EDMO# RBF
MFR# RBF



A bright red, heavy nylon banner that can be fastened to anything that needs removing before flight. Comes with a grommet and wire ring that can be attached to everything from gear pins to gust locks and pitot covers. Heavy-duty vinyl is tear resistant.

BLADE PITOT COVER

PLANE SIGHTS
EDMO# PSBPC
MFR# PSBPC0308



The highly visible and durable Blade Pitot Cover is a perfect fit for any aircraft with a blade-type pitot tube or Piper gear extension mast. It features rubberized trim and a unique pull tab that allows the cover to firmly grip the tube—preventing it from being easily pulled off while fastened. This cover is guaranteed not to fade in the sun or wear out for at least two years. Fits Piper, Katana, some Rockwell, late Grumman, Lake 250, and all other aircraft with a blade-type pitot tube.

ANGLED PITOT TUBE COVER

PLANE SIGHTS
EDMO# PSGAPTC
MFR# PSGAPTC0707



The Angled Pitot Tube Cover easily and securely attaches to a variety of angled pitot tubes to keep insects, dirt, and other debris from entering the tube and causing erroneous readings. In addition to its attention-grabbing orange and yellow hue, this water-resistant cover boasts a reflective strip to ensure that it's visible and removed for night flights.

REMOVE BEFORE FLIGHT STREAMER

PLANE SIGHTS
EDMO# PSRBFS1007
MFR# PSRBFS1007



This ultraviolet, reflective streamer stands out in daylight and reflects color for nighttime applications. Featuring American-made reflective trim that's specifically manufactured and controlled to meet aerospace weather-ability, accelerated aging, and cold cracking requirements. Ideal for gear pins, cowl plugs, AOA indicator cages, TAT, ice detectors, and static port covers. Includes two rings for attaching to remove-before-flight items.

UNIVERSAL PITOT TUBE COVER

PLANE SIGHTS
EDMO# PSUPTC
MFR# PSUPTC0707



The Universal Pitot Tube Cover easily and securely attaches to a variety of GA pitot tubes to keep insects, dirt, and other debris from entering the tube and causing erroneous readings. In addition to its attention-grabbing orange and yellow hue, this water-resistant cover boasts a reflective strip to ensure that it's visible and removed for night flights. Universal covers fit any length of tube, from the smallest home-built quarter-inch tubes to the largest one-inch corporate jet probes. Guaranteed to work on any Cessna, Beechcraft, Cirrus, Diamond, Grumman, or Mooney aircraft, as well as most Pipers.

STATIC WICK SAFETY COVERS

PLANE SIGHTS
EDMO# SWSCX3CIT
MFR# SWSCX3CIT0308



These round-style Static Wick Covers protect static wicks from damage on the ground and make wing tips more obvious—preventing hangar rash. The lime green color of the foot-long, ANSI-compliant, and weather-resistant reflective streamer stands out equally well in daylight, darkness, and in all weather conditions. Slide these seven-inch, round-style covers on for a tight, weather-resistant fit on Citation, Learjet, and many other jets.

- Includes (3) Static Wick Covers per package

PITOT TUBE PLUG

PLANE SIGHTS



The durable diameter vented plug has an unmistakable remove-before-flight streamer that provides a perfect easy-on, easy-off solution. The vibrant color of this foot-long, ANSI-compliant, and weather-resistant reflective streamer stands out equally well in daylight, darkness, and in all weather conditions. The poly plug is attached to the streamer's rugged black oxide-coated zinc eyelet with a stainless steel ring.

EDMO#	MFR#	SIZE	USE WITH
PS34PTP	PS34PTP0508	3/4 in	Cessna 150, 152, 172, 177, 182, 200 series, and 337 models
PS58PTP	PS58PTP0508	5/8 in	Aero Commander, Twin Beach, Bonanza, Cessna 300/400/500, Conquest Series, Grumman, Lear, Mooney, Piper Cheyenne and Navajo aircraft

DIAMOND STALL WARNING PLUG

PLANE SIGHTS
EDMO# PSDASP0908
MFR# PSDASP0908



Diamond recommends that operators of their DA40 and DA20 aircraft plug the stall warning air inlet holes on these aircraft while they're parked on the ground. This composite-reinforced, ergonomic stall plug is the perfect all-weather, easy-in, easy-out way to prevent insects and ice from clogging a stall indicator and jeopardizing the safety of the pilot and passengers. The bright yellow color of the attached foot-long, ANSI-compliant, and weather-resistant reflective remove-before-flight streamer stands out equally well in daylight, darkness, and in all weather conditions.

LIGHT SPORT PITOT PLUG KIT

PLANE SIGHTS
EDMO# PSLSPTP
MFR# PSLSPTP0608



The durable Light Sport Pitot Plug Kit provides a perfect fit for many homebuilt pitot tubes and light sport pitot tubes. The bright yellow color of the included foot-long, ANSI-compliant, and weather-resistant reflective remove-before-flight streamer stands out equally well in daylight, darkness, and in all weather conditions. The kit comes complete with three different-sized pitot tube plugs, a streamer, and two rust-resistant coated triangle rings.

Kit includes:

- (3) Plugs: (0.24 x 1.5 in, 0.302 x 2 in, 0.365 x 2 in)
- (2) triangle, zinc-coated, rust-resistant rings.
- (1) bright foot-long remove-before-flight streamer

FUEL VENT SCREEN

PLANE SIGHTS
EDMO# FV9811
MFR# FV9811



The Fuel Vent Screen prevents contaminants from obstructing or contaminating the fuel system. The remove-before-flight, fluorescent, and weather-resistant reflective streamer stands out equally well in daylight or darkness under all weather conditions—so it won't be forgotten during pre-flight checks.

- Fits Cessna piston engine aircraft
- Inside diameter of the PVC sleeve is 0.365 in

REMOVE BEFORE FLIGHT BANNER

PLANE SIGHTS
EDMO# RR1518-L
MFR# RR1518-L



This ultraviolet, reflective streamer stands out in daylight and reflects color for nighttime applications. Featuring American-made reflective trim that's specifically manufactured and controlled to meet aerospace weather-ability, accelerated aging, and cold cracking requirements. This banner features a lime green reflective tag with digitally printed orange lettering.

GUST LOCK

AIRGIZMOS



The AirGizmos Gust Locks are designed to quickly lock virtually any control surface securely. Its bright red color and integrated flag remind you to remove before flight. The rubber cushions ensure that your finish will be protected. They are lightweight and portable.

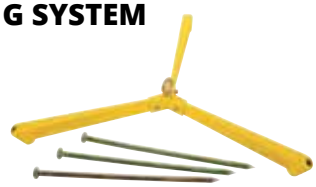
- Securely locks most control surfaces
- Rubber cushions
- Secure strap tabs
- 24-inch "Remove Before Flight" flag

EDMO#	MFR#	DESCRIPTION
AC6	AC6	Single Gust Lock
AC7	AC7	Pack of Three Gust Locks

TIE DOWNS

C-101 EARTH ANCHORING SYSTEM

THE CLAW
EDMO# C-101
MFR# C101



The Claw® is a lightweight, high-strength, multi-purpose earth anchor designed to protect an aircraft from damaging winds. The Claw's three "safety yellow," powder-coated, aluminum legs are resistant to corrosion, and 3/8-inch diameter spikes pull together and hold fast to the ground. The Claw® earth anchor is capable of withstanding 1,200 pounds of force while requiring minimal effort for installation and removal. In addition, a low-profile design provides for a reduced tripping hazard and will not puncture tires. It will not damage the turf while providing temporary or long-term security for a pilot's aircraft. It is constructed using lightweight aircraft aluminum with hardened, corrosion-resistant spikes

Kit includes:	(1) Anchors, (3) Spikes

C100 AIRCRAFT ANCHORING SYSTEM

THE CLAW
EDMO# CLAW
MFR# C100



The C100 Aircraft Anchoring System protects aircraft from damaging wind with its lightweight and high-strength earth anchoring system. Each Claw® anchor is capable of withstanding 1,200 pounds of force while requiring minimal effort to install or remove. In addition, low-profile design provides a reduced tripping hazard and will not puncture tires. It will not damage the turf and provides temporary or long-term security for a pilot's aircraft. It is constructed using lightweight aircraft aluminum with hardened, corrosion-resistant spikes

Kit includes:	Carrying Bag, (3) Anchors, (9) Spikes, Hammer, and 30-ft Rope

WHEEL CHOCKS

WHEEL CHOCKS

ASA
EDMO# CHOCKS
MFR# CHOCKS



These tire stops keep the aircraft securely parked. A pair of black molded plastic wheel stops are connected with 22" bright yellow and black braided nylon rope that won't rot or retain water. The bottom cleats keep aircraft securely parked, and the concave design fits any aircraft tire. One pair is needed for each wheel.

Dimensions:	7.75 x 2.5 x 4.5 in

BLACK AND YELLOW WHEEL CHOCKS

AIRGIZMOS
EDMO# AG-ITEM 11
MFR# AC1



These unique, stackable wheel chocks store inside of each other, cutting down on the amount of space required to carry them in the plane. The durable plastic sides are lightweight, and the edges are made with a non-skid material.

Weight:	3.2 oz Each
Dimensions:	2.58 x 8 x 2.37 in

TRAVEL CHOCKS

FORBES AVIATION PRODUCTS CO



Forbes high-quality, lightweight aluminum wheel chocks are easy to use and come with a bungee cord and clip that ensure they will stay in place.

- Lightweight and compact
- Attractive powder coat finish
- Available in three different sizes and colors

AG-TC1.

Weight:	Small: 4.3 oz Each
Dimensions:	Small: 1.5 x 1.5 x 6 in / .125 in Thick
Material:	Heat-treated Aluminum

EDMO#	MFR#	COLOR	TIRE SIZE
SMALL			
AG-TC5	FAP C6-B	Blue	6 | 5.5 or Smaller
AG-TC6	FAP C6-Y	Yellow	6 | 5.5 or Smaller
AG-TC7	FAP C6-R	Red	6 | 5.5 or Smaller
MEDIUM			
AG-TC1	FAP C8-B	Blue	8 | 6 x 6
AG-TC2	FAP C8-Y	Yellow	8 | 6 x 6
AG-TC3	FAP C8-R	Red	8 | 6 x 6

EDMO#	MFR#	COLOR	TIRE SIZE
LARGE			
AG-TC9	FAP C10-R	Red	8 | 6.6 or Larger
AG-TC10	FAP C10Y	Yellow	8 | 6.6 or Larger

TOW BARS

DELUXE CESSNA TOWBAR

WAG-AERO GROUP
EDMO# DH-009
MFR# M340-011



The Deluxe Cessna Towbar is designed for convenience and durability. This towbar fits most Cessna Singles and Twins with 5/8-inch diameter attach fittings on the nose strut. The Cessna towbar also fits Beech Singles and Twins with a quarter-inch diameter attach fitting for Mooney, Alon, Lear Jet, Lake, and Twin Aero Commander.

Weight:	3 lb
Dimensions:	Collapsible Length: 28 in

DELUXE PIPER TOWBAR

WAG-AERO GROUP
EDMO# DH-011
MFR# M-340-018

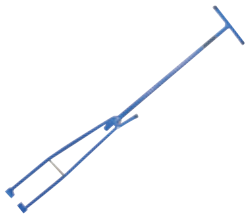


The Deluxe Piper Towbar offers all the features of a standard Piper towbar plus the convenience of a two-piece design. When extended, this model provides additional propeller clearance and leverage. The Piper towbar fits flat tow plates on top of the nose wheel fairing as well as the Colt, Tri-Pacer, Warrior, Archer, Tomahawk, most fixed-gear Cherokees, Aero Commander Model 100, and Lark.

Weight:	3.5 lb
Dimensions:	Collapsible Length: 23 in

DELUXE SCOTT TOWBAR

WAG-AERO GROUP
EDMO# DH-012
MFR# M340-012



The Deluxe Towbar is designed for aircraft using a Scott 3000 series tailwheel. It fits axle bolts and nuts on all Scott 3000 series tailwheels.

Weight:	3.8 lb
Dimensions:	Collapsible Length: 28 in

STANDARD CESSNA TOWBAR

WAG-AERO GROUP
EDMO# HH-001
MFR# M340-002



The Standard Cessna Towbar is a two-piece telescoping towbar that fits all Cessna aircraft with 5/8-inch lugs on nose gear struts. It also fits Beech Musketeer, Sierra, and Sundowner.

Weight:	2.6 lb
Dimensions:	Collapsible Length: 22.5 in

WIND SOCKS & FRAMES

AVIATION WINDSOCK

METAL ENGINEERING COMPANY



1896-ELLSO

These aviation windsocks are constructed of a special polyester fabric that's tough but lightweight and plastic-coated to resist weather. This windsock is extremely durable, with all seams double-stitched with polyester thread and solid brass eyelets in the double-reinforced throat. Nylon ties included.

EDMO#	MFR#	SIZE	COLOR
1896-ELLSO	1896-ELLSO	18 X 96 in.	Orange
1896-ELLSW	18X96-ELLS	18 X 96 in.	White
1896-ELLSY	1896-ELLSY	18 X 96 in.	Yellow
36144ELLSO	36X144-ELLS	36 X 144 in.	Orange
36144ELLSY	36144ELLSY	36 X 144 in.	Yellow
36144ELSOW	36X144-ELLS/ ORANGE/WHITE STRIPE	36 X 144 in.	Orange & White Stripes

AIRPORT FLAG

SAFETY FLAG CO OF AMERICA
EDMO# APF
MFR# APF



The Airport Flag is a heavy-duty nylon flag made by Safety Flag Co. of America. This flag features an orange and white checkered design that meets the requirements for airport construction jobs.

- Dimensions: 36 x 36 in

WINDSOCKS

SCOTT'S SALES INC



Scott's Sales windsocks are extremely durable with double-stitched, polyester thread seams and solid brass eyelets. Made of polyester fabric that is tough and lightweight, these windsocks also feature a plastic coating to resist all weather conditions. These windsocks are available in bright orange, vivid white, or orange with a white stripe, and also in many different sizes. They are also available for use with a lighted frame.

EDMO#	MFR#	SIZE	COLOR
WS1030	1030	10 x 36 in	Orange
WS1030W	WS1030W	10 x 36 in	White
WS13550O	13550	13 x 55 in	Orange
WS13550S	1355S	13 x 55 in	Orange & White Stripes
WS13550W	1355W	13 x 55 in	White
WS1850O	1850	18 x 60 in	Orange
WS1850S	185S	18 x 60 in	Orange & White Stripes
WS1850W	1850w	18 x 60 in	White
WS1880O	1880	18 x 96 in	Orange
WS1880O/L	1880	18 x 96 in	Orange (use with Frame-18L)
WS1880S	188S	18 x 96 in	Orange & White Stripes
WS1880W	188W	18 x 96 in	White
WS2050O	2050	20 x 60 in	Orange
WS2480O	2480	24 x 96 in	Orange
WS2480W	248W	24 x 96 in	White
WS2870O	2870	28 x 84 in	Orange
WS36100O	WS36100O	36 x 120 in	Orange
WS36100W	3610W	36 x 120 in	White
WS36120O	WS36120O	36 x 144 in	Orange
WS36120S	3612S	36 x 144 in	Orange & White Stripes
WS36120W	3612W	36 x 144 in	White
WS8300O	8300	8 x 30 in	Orange

STANDARD AVIATION WINDSOCK FRAME

EDMO# A18HB-WCP
MFR A18HB-WCP

The standard aviation windsock frame is made of quality steel construction with heavy-duty dual ball bearings. The totally enclosed housing has an extended double ring basket, and the entire frame is finished with a black industrial enamel.



LIGHTED AVIATION WINDSOCK FRAME

The internally lighted aviation windsock frame has a totally enclosed housing and electrical unit with 150-watt internal lighting. The frame is made of quality steel construction with heavy-duty dual ball bearings. The totally enclosed housing has an extended double ring basket, and the entire frame is finished with a black industrial enamel.



EDMO#	MFR#	DESCRIPTION	COLOR
LA18HB-OBS	LA18HB-WCP/OBS	18in. Lighted Frame 18 x 96 Windsock Red Obstruction Light	Orange
LA18HB-WCP	LA18HB-WCP	18in. Lighted Frame	--
LA24HB-WCP	LA 24HB-WCP	24in. Lighted Frame 24 x 96 Windsock	Orange
LA36HB-WCP	LA36HB-WCP	36in. Lighted Frame 36 x 144 Windsock	Orange
LA36HB-OBS	LA36HB-WCP/OBS	36in. Lighted Frame 36 x 144 Windsock Red Obstruction Light	Orange





EDMO

FLASHBACK

Flight Planning & In-Flight Supplies

Flight Computers 510
Plotters 511
Logbooks 513
Checklists 515
Kneeboards 515
Tablet Kneeboards 517
Cockpit Accessories 518
Waste Disposal 518

FLIGHT COMPUTERS

CX-3 FLIGHT COMPUTER



ASA
EDMO# CX-3
MFR# ASA-CX-3

The CX-3 Flight Computer makes flight planning simple by taking confusion out of the equation. Fast, versatile and easy to use, the CX-3 delivers accurate results quickly and efficiently. It can be used on all FAA and Canadian pilot, mechanic, and dispatcher knowledge exams. Whether used for flight planning, ground school, or knowledge testing, the menu organization reflects the order in which a flight is normally planned and executed, resulting in a natural flow from one function to the next with a minimum of keystrokes

Multiple aviation functions can be performed on the CX-3 flight computer including those related to time, speed, distance, heading, wind, fuel, altitude, cloud base, standard atmosphere, glide, climb & descent, weight & balance, as well as a holding pattern function to help determine entry method and holding details. A calculator, clock, timer, and stopwatch are also built in along with multiple settings for lighting, backlighting, themes, time zones and more.

- May be used for FAA and Canadian Exams
- Numerous Aviation Functions
- User Friendly
- Non-volatile memory
- Ergonomic Design
- Unit Conversions
- Timers and Clocks
- Interactive Functions

Dimensions:	3.33 x 6.5 x 0.75 in

CIRCULAR FLIGHT COMPUTER



ASA
EDMO# E6B-CIRC
MFR# ASA-E6B-CIRC

The E6B circular flight computer combines high-quality construction with easy to read lettering to deliver an efficient, accurate, and convenient manual flight computer to preform multiple calculations ranging from basic arithmetic and flight planning problems to complex to complex in-flight computations. The side of the computer uses conventional slide rule procedures to solve for multiplication, division, and unit conversion. The E6B circular flight computer makes use of scales to preform time, speed, distance, rate, fuel consumption, altitude, airspeed, air temperature, and pressure patterns calculations.

The wind side provides for a graphical method for solving and displaying wind problems such as winds in flight, true and ground speed, true heading, true heading, true airspeed, and off-course correction calculations. The matte finish on the wind side allows the user to make marks with a pencil and easily wipe clean for the next problem.

Diameter:	6 in

E6B FLIGHT COMPUTER / METAL



ASA
EDMO# E6B
MFR# E6B

The E6B flight computer is constructed of solid aluminum and has easy to read lettering. It features a wind component grid and comprehensive crosswind correction chart. On the other side, the slide computes time, speed, distance, altitude, true airspeed, density altitude problems, and conversions. Also, included are nautical and statute scales, a vinyl case and an instruction booklet.

Dimensions:	9.75 x 5 in

E6B FLIGHT COMPUTER / PAPER



ASA
EDMO# E6B-P
MFR# E6B-P

The E6B-P flight computer is constructed of durable paper and has all the same features as its aluminum version such as a wind component grid and comprehensive crosswind correction chart. On the other side, the slide computes time, speed, distance, altitude, true airspeed, density altitude problems, and conversions. Also, included are nautical and statute scales, a vinyl case and an instruction booklet.

Dimensions:	9 x 4.5 in

E6-B FLIGHT COMPUTER / COLOR



ASA
EDMO# E6B-COLOR
MFR# E6B-COLOR

The E6-B Color flight computer features enhanced color for easier readability. On the circular side, black indicates the rate arrow and units for the calculation, red for weight and volume, and blue for distance. On the wind side, colors are used to identify wind variation: blue for west or right wind correction angle, and red for east or left wind correction angle. This flight computer has a solid aluminum construction and all the functionality pilots have relied on for decades. A vinyl case and instruction booklet is also included.

E6B MICRO FLIGHT COMPUTER



ASA
EDMO# E6B-1
MFR# E6B-1

This pocket-sized, brushed aluminum flight computer is a full-function aviation computer. Popular among military pilots, it features a high-speed and low-speed wind correction slide, high-speed compressibility table, vinyl case, and instruction manual. Micro E6-B performs all the standard manual flight computer functions, and it conveniently fits in a shirt pocket or glove box.

Dimensions:	6 x 3.5 in

E6-B CSG FLIGHT COMPUTER

JEPPESEN
EDMO# 1000131702
MFR# 10001317-002



The Jeppesen E6-B CSG flight computer is constructed of heavy-duty metal and aids pilots in solving both high speed and low speed problems. It will help same time calculating time, speed and distance problems, density altitude, true airspeed, wind correction angles, and countless of other solutions. This flight computer is ideal for both students and pilots for use on FAA written tests or when planning cross-country trips.

Dimensions	13.5 x 7 x 1 in

STUDENT E6B COMPUTER

JEPPESEN
EDMO# JS514101
MFR# 10001316-000



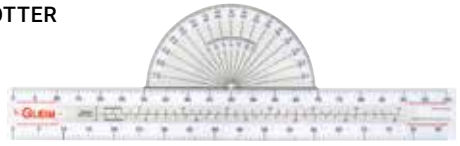
Jeppesen's Student CSG Computer is perfect for pilots-in-training. This computer is constructed of a rugged plasticized composite material and can withstand all training demands. Includes an instruction manual and zip-lock carrying case.

Dimensions:	11.7 x 5.3 in

PLOTTERS

NAVIGATIONAL PLOTTER

GLEIM PUBLICATIONS, INC.
EDMO# PLOTTER
MFR# PLOTTER



Gleim's Navigational Plotter is used to determine the true course, total distance of a flight, and the distance between each checkpoint. Constructed of high quality Lexan-type material, this flight planning tool features scales for sectional, WAC, and Terminal Area VFR aeronautical charts. Both nautical and statute mile measurements are included.

Dimensions:	13.25 x 2.5 in

PN-1 NAVIGATION PLOTTER

JEPPESEN
EDMO# JS526500
MFR# 10009523-000

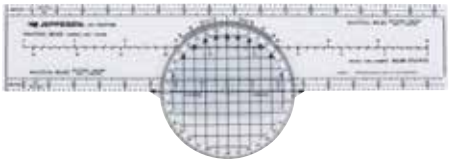


The PN-1 Navigation Plotter features a classic opaque background and allows easy identification of WAC and Sectional chart scales. The dual scales are calibrated in statute and nautical miles.

Dimensions	13.25 x 4 in

PJ-1 ROTATING AZIMUTH PLOTTER

JEPPESEN
EDMO# JS526501
MFR# 10009524-001



The PJ-1 Rotating Azimuth Plotter measures the true course of a flight and determines the magnetic course with the twist of the azimuth. Includes scales for sectional terminal area and WAC charts in statute and nautical miles.

Dimensions	3.25 x 13 in with 3.75 in diameter

PV-5 PLOTTER

JEPPESEN
EDMO# AM524409
MFR# 10009534-000



The PV-5 Plotter is designed for use with all Jeppesen en route charts, including area navigation (RNAV) charts. This plotter shows standard and non-standard holding pattern entries as well as providing kilometer to nautical mile conversions.

Dimensions:	3.18 x 8.5 in

FIXED AVIATION PLOTTER

ASA
EDMO# ASA-CP-1
MFR# ASA-CP-1



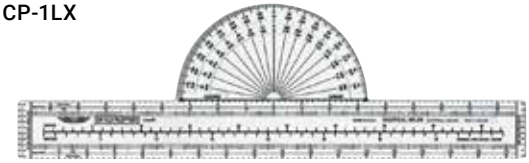
The CP-1 standard plotter is constructed of sturdy clear plastic with easy-to-read numbers and scales. It includes WAC, Sectional, and Terminal Area scales, and is checked and approved by the Weights and Measures Department. Quick scale reference is provided for both statute and nautical miles.

- Constructed of sturdy clear plastic with easy-to-read numbers and scales

Dimensions:	13.25 x 4 in

ULTIMATE FIXED PLOTTER

ASA
EDMO# CP-1LX
MFR# CP-1LX



The CP-1LX Ultimate Fixed Plotter features eight scales meeting the aeronautical needs for VFR charts. On side is for nautical charts and the other is for statute. This plotter is constructed of a durable resin that will not melt, warp, or break in extreme temperatures.

- Nautical-statute scale include
- Quick reference provided for statute and nautical miles

Dimensions:	13.25 x 4 in

ROTATING PLOTTER

ASA
EDMO# CP-R
MFR# CP-R

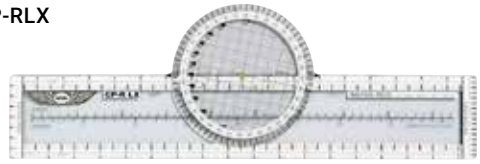


This rotating plotter is constructed of sturdy, clear plastic with easy-to-read numbers and scales. It includes WAC, Sectional, and Terminal Area scales, and is checked and approved by the Weights and Measures Department. Quick scale reference is provided for both statute and nautical miles. The non-slip rotating azimuth eases flight planning.

Dimensions:	13 x 4.25 in

ULTIMATE ROTATING PLOTTER

ASA
EDMO# CP-RLX
MFR# CP-RLX



The Ultimate Rotating Plotter features a rotating azimuth constructed of strong plastic and provides a quick course read-out. Nautical and statute scales available on both sides meet the needs of VFR aeronautical charts.

- Nautical-statute conversion scale included

Dimensions:	13.25 x 4 in

INSTRUMENT PLOTTER

ASA
EDMO# CP-IFR-2
MFR# CP-IFR-2

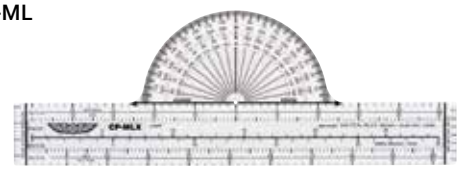


This instrument plotter is designed for IFR flight planning and in-flight reference. It features 12 scales to accommodate both NACO and Jeppesen instruments charts and a conversion scale for nautical and statute miles. Also, a compass rose allows for quick course and bearing information. Constructed of a durable resin, this plotter will not break or warp in extreme temperatures.

Dimensions:	8.5 x 3.5 in

MICRO PLOTTER

ASA
EDMO# CP-MLX
MFR# CP-ML



This Micro Plotter is compact and convenient that can be stored inside a pocket at only eight inches long. It is constructed of a durable resin that will not melt or break in extreme temperatures. This plotter features eight scales to meet the needs all VFR aeronautical charts: nautical on one side, and statute on the other side.

Dimensions:	8 x 2.75 in

PRO 360 DIGITAL PROTRACTOR

EDMO# 950-317
MFR# 950-317



The Pro 360 Digital Protractor is a revolutionary measuring tool that provides an immediate, digital reading of all angles in a 360° circle. The machined aluminum frame is a rigid, light weight, ultra-precise platform that allows the state-of-the-art sensor and its microprocessor circuit to provide unsurpassed accuracy throughout the Protractor's 360° range. The Pro 360 uses an innovative liquid filled angle sensor. As the protractor is moved, the liquid seeks a new position, resulting in changes in the electrical properties of the sensor. A microprocessor analyzes the changes and calculates the numbers seen on the display.

- Provides immediate and digital 360° readings
- Rigid aluminum frame
- State-of-the-art sensor provides excellent accuracy

Weight:	11.5 oz
Range:	360° (90°x4)
Resolution:	0.1°
Accuracy:	±0.1° level ±10° plumb
Power:	9V battery

LOGBOOKS

GLEIM PILOT LOGBOOK

GLEIM PUBLICATIONS, INC.
EDMO# LOGBOOK
MFR# LOGBOOK



The Gleim Logbook simplifies the record-keeping process with a simple, straightforward design, complete with sections for recording endorsements.

- Includes a complete endorsement section covering all endorsements required for student through CFII
- Includes a separate table of contents with numbered pages for quick reference

HARDBOUND PILOT LOGBOOK

JEPPESEN
EDMO# 1000131502
MFR# 10001315-002



This Pilot Logbook has become an industry standard with a highly functional and durable design holding up to ten years of data. It features large areas for flight-time which are arranged in accordance with FAA regulations, and 520 flight entries provide room for note taking. The green colored pages are easy on the eyes and resists ink bleed through.

- Includes space for 520 flight entries
- Black cover, light green pages

PROFESSIONAL PILOT LOGBOOK

JEPPESEN
EDMO# JS506050
MFR# 10001795-006



The Jeppesen Professional Pilot Logbook is a tried-and-true favorite among aviation professionals. With the capacity to hold up to 10 years of data, this non-EASA logbook includes simplified pilot and aircraft summaries and matches the format of the Airway Manual binders.

- Dimensions: 6.75 x 11.25 inches

FLIGHT CREW LOGBOOK TRIP AND EXPENSE RECORD

EDMO# FCL
MFR# FCL

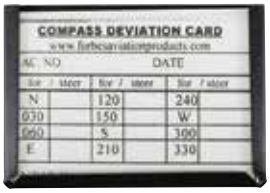


The Flight Crew Log is a shirt-pocket-sized crew log that has 216 pages for recording flight times, expenses, duty rigs, crew names, phone numbers, door codes, and more. 12 monthly schedule pages, plus a provision for year totals in the appendix.

- Meets FAA and IRS record keeping requirements
- 12 monthly schedule pages
- Provision for year totals in the appendix
- Durable high quality vinyl cover

COMPASS DEVIATION CARD KIT

FORBES AVIATION PRODUCTS CO
EDMO# AG-CCC
MFR# FAP 10



Forbes Compass Deviation Card is used to log the calibration adjustments made on an aircraft's compass. This kit contains one metal card holder, three compass correction cards and sticker-type lamination sheets.

- Dimensions: 2.5 x 1.875 in

"THE STANDARD" AVIONICS LOG BOOK

ASA
EDMO# SA-V2
MFR# SA-V2



This avionics logbook simplifies record keeping to ensure compliance with regulations and includes entries for avionics equipment, VOR accuracy, GPS database, transponder and ELT checks, AD and SB compliance, and maintenance records.

- Weight: 0.15 lb
- Dimensions: 7.25 x 4 in

"THE STANDARD" AIRCRAFT LOG

ASA



"The Standard" Aircraft logbook provides aircraft owners a convenient place to keeps records of the important data to ensure compliance with FAA regulations. It has been designed to keep important records such as inspections, tests, repairs, alternations, ADs, service bulletins, and equipment alterations, removals or exchanges.

EDMO#	MFR#	DESCRIPTION
SA-1	SA-1	7.375 x 4, 64 pages
SA-2	SA-2	7.5 x 5.5, 96 pages

"THE STANDARD" ENGINE LOG

ASA



"The Standard" engine log keeps track of engine inspections, tests, repairs and alterations, airworthiness directives, manufactures' mandatory service bulletins, and equipment removal or exchanges.

EDMO#	MFR#	DESCRIPTION
SE-1	SE-1	7.375 x 4, 64 pages, soft cover
SE-2	SE-2	7.5 x 5.5, 96 pages, hard cover

"THE STANDARD" PILOT LOGBOOK /BLUE

ASA
EDMO# ASA-SP-10
MFR# ASA-SP-10



SP-30

This introductory logbook is perfect for flight instructors and flight schools to start students out with an inexpensive logbook. With space for 16 separate flight entries, a ground instruction log, several solo endorsements, and a separate log for each type of aircraft flown, this logbook is great for introductory flights, first flight lessons, promotional give-aways and more.

EDMO#	MFR#	DESCRIPTION
ASA-SP-10	ASA-SP-10	7.75 x 4 in, Softcover, blue
SP-30	ASA-SP-30	7.75 x 4 in, Hardcover, black
SP-40	ASA-SP-40	7.75 x 4 in, Hardcover, burgundy

"THE STANDARD" PILOT MASTER LOG

ASA
EDMO# SP-6
MFR# ASA-SP-6



The SP-6 Pilot Master Logbook complies with the standards for international pilots and with the FAA record keeping regulations; it complies with ICAO, JAA, CAA, CASA record keeping requirements as well as JAR-CFL 1.080. This logbook includes standardized columns that are also flexible enough to fit any pilots needs. A summery page allows pilots to keep track of their experience, aircraft type, currency, medical dates, and flight review.

Dimensions:	11 x 6.5 in
Page Count:	165

"THE STANDARD" AMT LOG

ASA
EDMO# SP-AMT
MFR# ASA-SP-AMT



Designed for Maintenance Technicians (AMTs or A&P mechanics), IA-qualified mechanics, and students to log training and educational requirements, work performed, and experience for the purpose of tracking for future certification, recurrence, employment applications, school records, or insurance applications. Use of this log is one method of meeting the requirements of 14 CFR Part 145.163(c). Plastic coil binding stays open on current page.

Dimensions:	11 x 6.5 in
Page Count:	192

"THE STANDARD" AIRCRAFT FLIGHT LOG

ASA
EDMO# SP-FLT-2
MFR# ASA-SP-FLT-2



Spiral-bound and perfectly sized to fit in an aircraft glove box or chart pocket, this logbook is a quick reference to the recent history of the airplane so pilots have immediate access to the airplane's records, without having to dig through logbooks usually kept in the maintenance hangar. The Aircraft Flight Log fills a gap in aircraft records for pilots, and instantly allows them to know the status of the aircraft they are about to fly. This version now contains an entry for tracking GPS database updates.

The inside of the Aircraft Flight Log can be personalized for each aircraft, with places to note N-number, type of aircraft, serial numbers of the airframe and engine(s), and the date of purchase. Contact information is prominently displayed for owner information should the log be misplaced, and there is a section detailing the date the log begins and ends, along with engine tach information.

Dimensions:	5 x 7 in
Page Count:	96

"THE STANDARD" PROPELLER LOG

ASA
EDMO# SP-L
MFR# ASA-SP-L



"The Standard" propeller log offers pilots a convenient logbook for recording data for hub and blade inspections, repairs, and alteration.

Dimensions:	7.375 x 4 in
Page Count:	24

FLIGHT PLANNER PAD

ASA
EDMO# FP-3
MFR# ASA-FP-3



This Flight Planner Pad is ideal for domestic and international preflight and in-flight progress tracking. On the front side of each sheet is a place provided for preflight information such as planned course, altitude, predicted winds, en route checkpoints, compass headings, estimated times, fuel, navaid frequencies, and terminal information, field elevation, runway information, and communication frequencies. The backside of each sheet includes a preflight checklist, weight and balance computation table, PIREP guidance, and the flight plan format used by the International Civil Aviation Organization (ICAO).

Weight:	0.75 lb
Page Count:	48

PROFESSIONAL EUROPEAN PILOT LOGBOOK

JEPPESEN
EDMO# JA500101
MFR# 10002140-000



This European pilot logbook is compliant with JAR regulation for logging flight time in Europe. It features enough space to store 10 years of data such as simplified pilot and aircraft summaries. It is constructed using archival paper for long term record keeping.

- Meets European FCL.050 requirements

Dimensions:	6.75 x 11.25 in

UNLINED PILOT NOTES / 500 PAGES

JEPPESEN
EDMO# AM436239
MFR# 10011879-000



Pilot notes provide pilots a handy place to jot down quick notes. Ideal for convenient note taking, flight planning and enroute route notes. These pages fit neatly into Jeppesen binders.

- 500 pages per package
- Seven-hole punched sheets

CHECKLISTS

FLIGHT CREW CHECKLIST PAGES

FLYBOYS



The Flyboys Jeppesen Checklist Pages are designed to accommodate military standard 8 x 5 inch checklist pages. These checklist pages compliment the Flyboys Checklist Book, and is ideal when additional pages are required. Constructed from high quality frosted plastic, the Flyboys Standard Checklist Pages are extremely durable, heat and cold tolerant, and capable of providing years of trouble-free use in the most demanding operational environments while providing superior protection for its contents.

EDMO#	MFR#	SIZE
FB2200	FB2200	5 x 8 in.
FB2201	FB2201	5.5 x 8.5 in.

CHECKLIST RINGS

FLYBOYS



The classic, combat-tested Flyboys Checklist Rings that have been in widespread use throughout the military for many years and are the #1 checklist ring in use by the US Air Force. Designed to accommodate standard-size checklists, the Flyboys Checklist Rings are 1.50 inches when locked, and feature the Flyboys-exclusive stainless steel locking mechanism. The ring is constructed from heavy duty mono-filament plastic, ensuring years of trouble-free use in the toughest operational environments.

- Pack of 10 rings

EDMO#	MFR#	COLOR
FB1000 BLK	FB1000-BLK	Black
FB1000 RED	FB1000RED-10PK	Red
FB1000 WHT	FB1000-OPQ	White

KNEEBOARDS

IFR/VFR PILOT KNEEBOARD

FLYBOYS



The IFR/VFR Pilot Kneeboard is a critical piece of gear for pilots of all types of aircraft. From fighter planes to transporters to rotorcraft and civilian aircraft of all types, the Fly Boys kneeboard allows pilots to keep their checklists in order and mission-critical documents safely secured.

- Seven eyelets secure many different styles of checklists
- Includes flexible plastic clipboard (removable)
- Slots for pens and pencils
- Pockets for ear plugs and plotters
- Clear plastic retention strap keeps approach plates visible and secure
- Adjustable leg strap allows for secure fit
- Rugged construction stands up to years of use
- Available in black, green, blue, and tan

Weight:	10.4 oz
Dimensions:	9.1 x 6.6 x 1.7 in

EDMO#	MFR#	COLOR
FB1316 BLK	FB1316-BLK	Black
FB1316 BLU	FB1316-BLU	Blue
FB1316 GRN	FB1316-GRN	Green

VFR KNEEBOARD WITH CLIPBOARD

JEPPESEN
EDMO# JS626003
MFR# 10001306-000



Jeppesen's VFR Tri-Fold kneeboard organizes and holds charts, flight computers and plotters, flashlight, pens, pilot notes, and more. An elastic leg strap sewn to the kneeboard holds this unit comfortably in place with a Velcro® closure. Additionally, the foam cradled back allows for added comfort and leg positioning. The metal clipboard includes valuable information for VFR and IFR flight needs. This kneeboard also includes an additional leg strap—allowing use of the clipboard independent from the kneeboard. Each kneeboard is made from Dupont's™ heavy-duty, 600D-Denier Cordura® polymer designed for superior strength, abrasion resistance, and durability.

Weight:	10 oz
Dimensions:	21 x 11.5 in (open)

IFR TRIFOLD KNEEBOARD

JEPPESEN
EDMO# JS626010
MFR# 10001298-000



Jeppesen's IFR Tri-fold Kneeboard is great for organizing and holding approach charts. It includes an aluminum clipboard with valuable newly-updated IFR flight information printed on the face. It also features three approach chart pockets, three collapsible and removable rings sewn into the reinforced spine, and an elastic holder for a pen or penlight. Additionally, the foam cradled back allows for added comfort and leg positioning. Each kneeboard includes a free U.S. Low Flight Planning Chart and an additional leg strap—allowing use of the clipboard independent from the kneeboard. Each kneeboard is made from Dupont's™ heavy-duty, 600D-Denier Cordura® polymer designed for superior strength, abrasion resistance, and durability.

Weight:	10 oz
Dimensions:	10 x 20 in (open)

VFR KNEEBOARD WITH LEG STRAP

ASA
EDMO# KB-1-A
MFR# KB-1-A



This VFR kneeboard is constructed or durable aluminum and organizes a pilot's VFR flight data while providing a solid surface to take notes. Also, this kneeboard contains necessary VFR information such as, VFR ceiling, visibility and cloud clearance, VFR cruising altitudes, communication frequencies, pilot weather report sequence, light gun signal key, and a crosswind component graph.

- Comfortable 1-1/2" wide elastic leg band
- Adjustable Velcro™ fasteners
- Pencil and pen holder

Dimensions:	6.5 x 9.5 in

IFR KNEEBOARD WITH LEG STRAP

ASA
EDMO# KB-2-A
MFR# ASA-KB-2-A



This IFR Kneeboard is constructed of durable aluminum and organizes a pilots flight data while provide a solid surface to take in-flight notes. Important IFR information is conveniently printed directly onto the kneeboard. Updated to reflect the modern cockpit, the KB-2-A provides weather and flight planning resources, flight plan equipment qualifiers, IFR alternate requirements, reporting, and lost communications.

- Comfortable, 1-1/2 inch wide elastic leg band
- Adjustable Velcro™ fasteners
- Pencil or pen holder built-in to the leg band
- Strong metal clip holds NACO charts and other necessary papers

Weight:	0.45 lb
Dimensions:	6.5 x 9.5 in

TRI-FOLD VFR KNEEBOARD

ASA
EDMO# KB-3-A
MFR# KB-3-A



This VFR kneeboard is constructed of a durable aluminum that fits snugly into a black, 900D polyester, three-panel jacket which has enough space to carry charts, books, and flight computers. A strong elastic strap secures the kneeboard to the pilot's leg.

- Three-panel design optimizes organization inside the cockpit
- Left panel holds small books and papers
- Center panel contains durable aluminum kneeboard
- Right panel features a clear pocket for easy map viewing

TRI-FOLD IFR KNEEBOARD

ASA
EDMO# KB-3L-A
MFR# KB-3L-A



This three-panel kneeboard accommodates aeronautical charts without additional folding. Constructed using a durable 900D polyester jacket, this kneeboard carries an included brushed aluminum kneeboard in the center pocket. The two side pockets provide ample storage for charts, notes, flight computer, and pencil and pen.

- Quick IFR reference information printed on kneeboard
- Provides resources for weather and flight planning, IFR ceilings, visibility, cloud clearance, cruising altitudes, pilot weather reports, light gun signals, a crosswind component graph
- Sturdy clip holds papers in place
- Inside panel has two pockets for flight plans and notes
- Elastic straps for holding flight computers and other flight accessory
- Right hand panel features a clear pocket for easy chart viewing and storage

TABLET KNEEBOARDS

IPAD HOLDING KNEEBOARD

ASA
EDMO# KB-IPAD-2
MFR# KB-IPAD-2



This iPad kneeboard is a versatile case and kneeboard combination for protecting a pilot's iPad whether in flight or on the ground. An elastic strap secures the case to the leg during flight. A plastic cover protects the iPad's screen from damage while maintaining unobstructed view while preserving touch-screen operations. The easel folds into a convenient "wedged" angle for optimum viewing. A rear pocket on the back offers extensive room for carrying papers and maps.

Dimensions:	9 x 11 in

IPAD MINI KNEEBOARD

ASA
EDMO# KB-IPM4
MFR# KB-IPM4



The iPad mini Kneeboard provides easy access to a pilot's iPad mini while flying and device protection whenever outside of the cockpit. It features top-quality micro-fiber leather and a wide hook-and-loop adjustable strap offering style and comfort to users. A clip is conveniently added for holding a pen or pencil, and a soft gray interior prevents damage to the screen.

ACTIVE COOLING CASES

X-NAUT



903482900



903483000

The Active Cooling Case for iPad™ Air/Pro 9.7" prevents unexpected shutdowns resulting from overheating while in direct sunlight to keep pilots safe. The self-contained case is vented and has built-in fans, which are aimed at the hottest areas of the device to circulate cool air over the back of the iPad. The quiet fans have been tested to ensure they do not interfere with cockpit electronics.

The X-naut cradle is powered by AA batteries, making it completely wireless, and can run for over 10 hours on a single set of batteries. Tracking battery status is easy with a test button and indicator light conveniently located on the side of the mount. Alternatively, a USB charging cable can also provide power to the cradle while in use. (AA batteries and USB charging cable not included.)

- Built to last, the case features conformal-coated electronics that resist moisture and dust, sturdy battery compartment locks, and a spring-loaded clip-on top making iPad insertion simple and secure.
- Powered using 8xAA batteries or Micro USB
- Battery test button indicates the condition of the batteries
- Spring-loaded latch makes it easy to mount an iPad while holding it securely in place
- Low noise fans rated at 26 dBA
- Compatible with RAM™
- Works with MYGOFLIGHT™ mounts when using the sport-GPS adapter
- Dust and moisture resistant electrical components
- Use as a kneeboard with Kneeboard Accessory mount (sold separately)
- *iPad™, AA batteries, and micro USB cord not included.

Weight:	9.7 oz (without batteries or iPad)
For use with:	iPad Air 1st & 2nd generations, iPad Pro 9.7, iPad Pro 10.5 & 11, iPad Mini 1-5

EDMO#	MFR#	MODEL COMPATIBILITY
903482900	0009-0348-2900	iPad Air 1 & 2 / iPad 5th & 6th Gen / iPad Pro 9.7"
903482930	0009-0348-2930	iPad Pro 11 (2nd Gen)
903482950	0009-0348-2950	iPad Pro 10.5"
903483000	0009-0348-3000	iPad Mini 1-5
ACCESSORIES		
9034830141	0009-0348-3014-1	iPad Air carrying case | Includes: adjustable and removable shoulder strap, large zippered pocket for active cooling mount and small outer Velcro pocket for accessories
9034830151	0009-0348-3015-1	iPad Mini carrying case | Includes: adjustable and removable shoulder strap, large zippered pocket for active cooling mount and small outer Velcro pocket for accessories
903483053	0009-0348-3053	Pilot iPad kneeboard kit | works with all iPad sizes, includes mounting hardware and adjustable strap
903480531	0009-0348-0531	Kneeboard Kit | one size fits all elastic Velcro strap, mounting hardware included

AIRGIZMOS IPAD KNEEBOARD

AIRGIZMOS
EDMO# AG-ITEM 44
MFR# KD1



Accessing charts and apps on the iPad while flying is easier than ever with Air Gizmo's iPad Kneeboard. This kneeboard is constructed with molded plastic and includes both a wide Velcro strap and elastic band for a secure and comfortable fit. A fold over tablet holder keeps a pen and paper handy to copy clearances, but can be dropped out of the way as needed. It is designed to work with both the iPad and the iPad 2.

Weight	13.1 oz
Dimensions	7.93 x 9.79 x 3.75 in

BASE MOUNT

AIRGIZMOS
EDMO# BM1
MFR# BM1



This base mount provides a solution for mounting an iPad onto the instruments panel when used in conjunction with the iPad knee dock.

COCKPIT ACCESSORIES

FLIGHT TIMER

ASA
EDMO# TIMER-3
MFR# TIMER-3



The ASA Flight Timer is a chronometer that fills a gap in the instruction and pilot aid category. It features an ergonomic design and engineered for reliability offering ease of use and convenience. This flight timer should be considered an essential tool for all aviators.

- Large, easily readable LCD back light display with auto shut-off
- Multi-function clock (AM/PM, Universal Coordinated "Zulu" time, and military time options); reset function prevent accidental resets
- Three simultaneous timer options
- Exclusive digital notepad for squawk codes or frequencies
- Approach timer allows pilots to store up to 12 different approach times
- Audible and visual alarm modes
- Fuel timer
- Stopwatch with 1/10th and 1/100th second digits
- Intuitive push and rotate dial for quickly and easily setting times
- Multiple mounting capabilities
- Includes 2xAAA alkaline batteries

CARBON MONOXIDE DETECTOR

ASA
EDMO# CO-D
MFR# ASA-CO-D

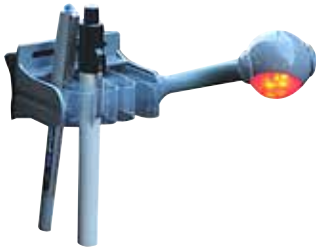


This Carbon Monoxide Detector indicates the presents of CO in the air by using a colored spot that turns black when CO is detected and it returns to its normal color after it is exposed to fresh air. It can also be used as a portable and personal CO detection device, and the adhesive back allows for simple mounting to a panel or dash for a semi-permanent installation; alternatively, it can be worn on an ID badge or lanyard. Unopened CO Detectors have a shelf life of three years. Once removed from the packaging, the CO-Detector will last for 12 months.

- Ideal uses include: aircrafts, automobiles, fuel trucks, tugs, and campers

MYGRIP LIGHT ORGANIZER

PENGRIP LLC
EDMO# 144RWB
MFR# 144RWB



MyGripLight is a handy tool for aiding pilots in organizing the cockpit as well as providing a backup light for illuminating maps or instruments. This organizational tool is designed to keep withing reach pens, sunglasses, sectional charts, cell phones, and approach plates. The lamp is mounted on a flexible arm that can rotate 360° to place light precisely where pilots need it.

- Organizes pens, sunglasses, charts and notes for quick accessibility
- Flexible light may be detached allowing for multiple uses

WASTE DISPOSAL

MOTION SICKNESS/URINE BAGS

GKR INDUSTRIES INC
EDMO# 2100SICK
MFR# 2100



For motion sickness or urine disposal, this easy-to-use bag from GKR Industries has an extra-wide, rigid collar that allows for one-handed use. The inner valve automatically seals shut, which prevents the contents from leaking or spilling. The external hand protector safeguards from contamination and possible splatter to keep users and the aircraft sanitary.

- Pack of 36 bags
- 6-inch wide opening
- Latex-free
- Leak proof

EDMO STAYS UP TO DATE

As a class-leading aviation distributor, EDMO keeps pace with the trends of the aerospace industry. We're constantly updating our inventory with our manufacturers' latest products, so there's a good chance we will have what you're looking for. Give us a call at 1.800.235.3300 or visit edmo.com for parts and pricing.



RESTOP URINE DISPOSAL

AMERICAN INNOTEK INC
EDMO# RS1
MFR# RS1



The RESTOP® four-pack contains four disposable urine bags. Each bag contains super absorbent polymers and enzymes that will absorb a full 20 ounces of urine. The wide opening with semi-rigid rim allows for easy use by men or women. The one-way valve prevents spillage should the used bag be accidentally dropped. RESTOP® bags have deodorants that are added to the polymers to eliminate odors.

- Overall size: 11.25 x 5.75 x 0.1 in
- Pack of four bags

TRAVELJOHN URINAL

REACH GLOBAL INDUSTRIES, INC.



The TravelJohn™ Disposable Urinal bag is made of strong plastic, that is puncture resistant, and utilizes the patented LIQSORB® pouch that instantly absorbs, deodorizes and disinfects while transforming liquids into an odorless, spill-proof gel. The unisex adapter makes it easy for anyone and everyone to use.

- Revolutionary bag with a bag design
- Non-toxic, odorless, spill proof gel
- Unisex plastic collar for easy handling
- 28 oz capacity

EDMO#	MFR#	DESCRIPTION
66893	66893-CT	3 pack
66911	66911	6 pack
66914	66914 / 66914-A	Junior size / 6 pack

SICK SACK AIRSICK BAG

WING AERO PRODUCTS
EDMO# WAP-10
MFR# WAP-10



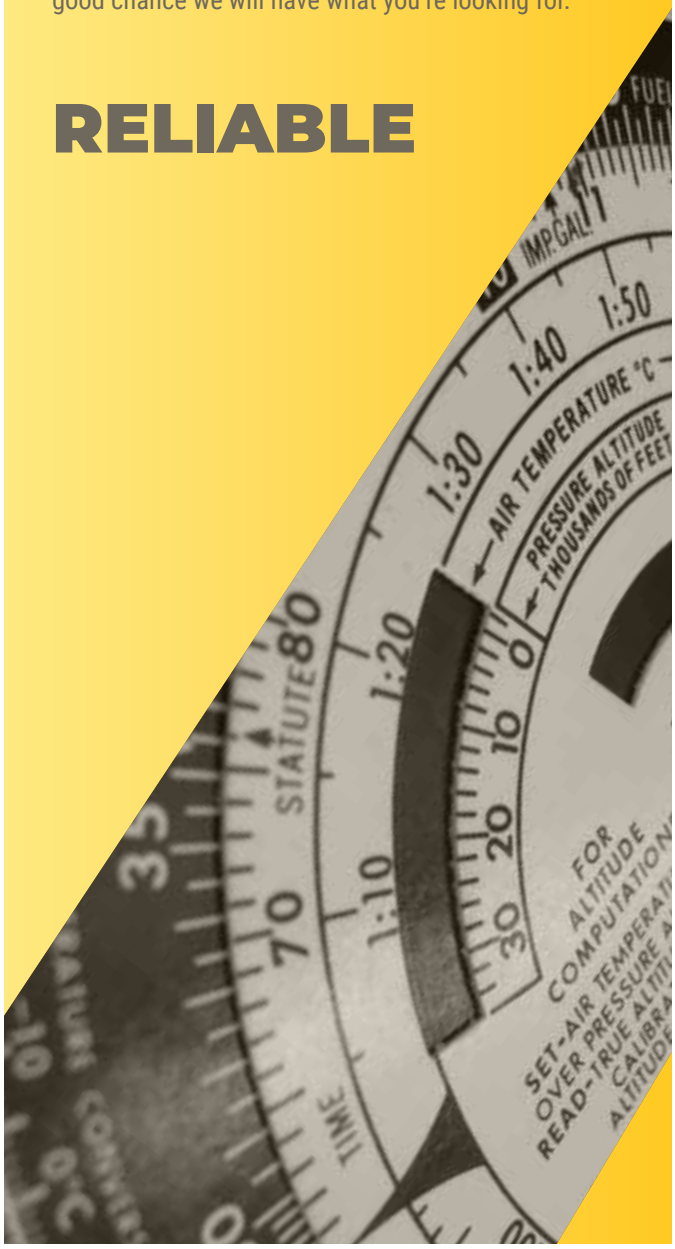
Each Sick Sack airsick bag is sanitary—packaged in its own envelope for a clean seal. These individually wrapped bags are tear resistant and unaffected by extreme temperatures. Their foolproof tie-attached band makes cleanup mess free.

- Moisture proof
- Sanitary
- Space saving
- Tear resistant
- Not affected by extreme temperature changes
- Tie-attached band for quick sealing
- Overall size: 5 x 10 in

AVIONICS SOLUTIONS, NO MATTER THE AIRCRAFT: EDMO HAS YOU COVERED

EDMO carries a wide range of flight planning and inflight products, so if you're not finding what you need, give us a call at 1.800.235.3300 or visit edmo.com. We're constantly updating our inventory so there's a good chance we will have what you're looking for.

RELIABLE



Safety & Survival

Personal Locator Beacons 522
Rescue Lights & Strobes 523
Flashlights 523
Headlamps..... 525
Survival Kits & Accessories 526
Shop Supplies 526

PERSONAL LOCATOR BEACONS

RESQLINK

ACR/ARTEX

The ResQLink is a lightweight and compact PLB that uses GPS positioning, a powerful 406 MHz transmitter, and a 121.5 MHz homing signal to quickly and accurately relay its GPS position to a worldwide network of search and rescue satellites—narrowing the search area to less than 100 meters. Additionally, the ResQLink is easy to use and includes a built-in strobe light and an infrared strobe to facilitate nighttime or low-visibility rescue operations. The innovative design combines multifunction clips with the ResQLink to provide a multitude of wearable options for a diverse range of activities.

The ResQLink View features a digital display indicating the PLB's status in real-time, as well as its GPS coordinates.

- No subscription required
- GPS and Galileo GNSS
- Built-in Buoyancy
- Strobe and infrared strobe
- Global coverage
- MEOSAR Compatible
- Compact and lightweight
- Five-year battery life
- 28-hour life (ResQLink View)
- Over 24-hour life (ResQLink 400)
- Multi-function clip system included



2921



2922

Weight:	0.33 lb (148 g)
Dimensions:	4.52 x 2.03 x 1.46 in (
Class:	Class 2 operation (@ -4°F / -20°C)
GPS:	Multi-Con
Battery:	Non-hazmat lithium-ion (LiMnO)
Battery Replacement:	After 5 years or after emergency use, whichever is first
Operational Life:	24+ hr (ResQLink 400)
Activation:	Manual
Buoyant:	Yes
Waterproof:	5m for 1 hr
Operating Temperature:	-4°F to 131°F (-20°C to 55°C)
Certification:	Cospas-Sarsat
Applications:	Hiking, Camping, Rock Climbing, Snow Mobiling, Skiing, Fishing, Boating, Canoeing, Kayaking, Paddle Boarding

EDMO#	MFR#	DESCRIPTION
2921	2921	ResQLink 400
2922	2922	ResQLink View

8110 PLB

ACR/ARTEX
EDMO# 8110
MFR# 8110



The ARTEX 8110 PLB features a market-leading, compact size and weight—easily fitting into a pocket or life vest without impeding activity and taking up minimal space, ensuring it is readily accessible in an emergency. Operated effortlessly with one hand, even under the most challenging conditions, the ARTEX PLB is activated by extending the antenna and flipping up the spring-loaded protective cover, which prevents unintentional activation, and then pressing the ON button.

The ARTEX PLB works with the only officially recognized worldwide dedicated search and rescue satellite network (operated by Cospas-Sarsat). Once activated, the PLB communicates the location of the individual to search and rescue services via the designated 406 MHz Cospas-Sarsat satellite system. The device also incorporates a 121.5 MHz homing beacon, plus a high-intensity (1 candela) strobe light.

Weight:	4.09 oz (116 g)
Dimensions:	2.1 x 1.3 x 3 in (51 x 32.5 x 77 mm)
Battery:	Class 2 (non-hazmat) Lithium Batteries Replacement every 7 years
Operation Life:	Exceeds required 24 hours @ -4°F (-20°C)
Activation:	Manual 2 steps: deploy antenna and press ON button in clear view of the sky
Color:	Orange
Waterproof:	15m for 1 hr
Temperature range:	Operating: -20°C to 55°C (-4°F to 131°F) Storage: -30°C to 70°C (-22°F to 158°F)
Certification:	FCC, RED
Accessories:	Mounting Clip, Mounting Band, Lanyard

FASTFIND 220 PERSONAL LOCATOR BEACON

OROLIA



The FastFind 220 is a lightweight, palm-sized 406 MHz PLB that transmits a unique ID and GPS coordinates to the global satellite network. When activated, its GPS position is relayed to search and rescue services (SAR) within minutes. The FastFind 220 also broadcasts a 121.5 MHz homing signal, helping search and rescue teams zero in on the user's location.

Designed for convenience and efficiency, the FastFind 220 features a safe-stow antenna that automatically deploys when the unit is activated and a battery that provides continuous operation for a minimum of 24 hours. Waterproof to a depth of 10 meters, the FastFind 220 is also supplied with a floatation pouch for easy retrieval from water.

- Transmits on 406 MHz and 121.5 MHz
- Multiple GNSS for accelerated detection
- MEOSAR compatible for enhanced detection capability
- Concealed antenna, deploys when activated
- Manual activation
- Includes an extremely bright LED SOS light
- 6-year battery storage life
- Self-test facility with battery use indicator
- Supplied with flotation pouch

Weight:	5.36 oz
Dimensions:	1.34 x 1.85 x 4.17 in
Battery Life:	6 years
Frequency:	406 MHz (alert), 121.5 MHz (homing)
Power:	>5W (alert), >50mW (homing), nominal
GPS Type:	50 channel, ceramic patch antenna
Indicator Light:	Bright LED signal light
Altitude:	40,000 ft
Operating Temperature:	Operating: -20°C to 55°C (-4°F to 131°F)

EDMO#	MFR#	DESCRIPTION
91001-220C	91-001-220A-C	FastFind 220 PLB
ACCESSORIES		
91-053A	91-053A	Replacement Antenna kit

RESCUE LIGHTS & STROBES

C-LIGHT EMERGENCY DISTRESS LIGHT

ACR/ARTEX
EDMO# 3963.1
MFR# 3963.1



The C-Light manually activated personal distress light provides 20 lumens of light output and over 30 hours of continuous operation. The C-Light features a rugged construction, a waterproof design, and carries USCG/SOLAS approvals. The twist-on-and-off activation makes this survival light easy to use in emergency situations for outdoor enthusiasts.

- Slim and lightweight design fits in pockets or hangs discreetly from a life jacket or backpack
- Flexible lashing loops located on the sides allow for multiple mounting options
- Included Velcro® strap secures around the lashing loops for additional mounting options
- Included PFD clip conveniently slides over the oral inflation tube and also allows for storage inside the life jacket
- Available in a water-activated model
- Provides location assistance during low-light emergencies
- Waterproof tested for 24 hours at 1 meter
- Easy twist On/Off activation
- Impact-resistant case
- Powered by 2 AA batteries (not included)
- USCG/SOLAS Approved
- Includes a lanyard, velcro strap, and PFD clip

Weight:	1.2 oz (33 g)
Dimensions:	5.06 x 1.38 x 1.2 in (12.85 x 3.5 x 3 cm)
Operation Life:	>30 hr @ 30°C (>20 hr @ -1°C)
Lamp:	20 lumin, white LED
Light Type:	steady on
Battery:	2xAA batteries (sold separately)
Reverse Battery Protection:	Yes
Waterproof:	Tested for 24 hr at 3.3 ft (1 m)
Certification:	USCG/SOLOAS, CE, Transport of Canada
Included Accessories:	PFD clip, lanyard, velcro strap

C-STROBE™ PERSONAL DISTRESS STROBE LIGHT

ACR/ARTEX
EDMO# 3965.1
MFR#: 3965.1



The C-Strobe™ manually activated personal distress strobe provides 45 lumens of light output and over 120 hours of continuous operation. The C-Strobe is rugged, waterproof, and USCG/SOLAS approved. The twist-on/off activation makes this survival light easy to use in emergency situations for outdoor enthusiasts.

- Slim and lightweight design fits in pockets or hangs discreetly from a life jacket or backpack
- Flexible lashing loops located on the sides allow for multiple mounting options
- Included Velcro® strap secures around the lashing loops for additional mounting options
- Included PFD clip conveniently slides over the oral inflation tube and also allows for storage inside the life jacket
- Available in a water-activated model
- Provides location assistance during low-light emergencies
- Waterproof tested for 24 hours at 1 meter
- Easy twist On/Off activation
- Impact-resistant case
- Powered by 2 AA batteries (not included)
- USCG/SOLAS Approved

Weight:	1.2 oz (33 g), without batteries
Dimensions:	5.06 x 1.38 x 1.2 in (12.85 x 3.5 x 3 cm)
Operational Life:	>120 hr @ 30°C (>100 hr @ -1°C)
Lamp:	45 lumen, white LED
Light Type:	Strobe
Battery:	2xAA batteries, sold separately
Reverse Battery Protection:	Yes
Certification:	USCG/SOLAS, CE, Transport of Canada
Included Accessories:	PFD Clip, Lanyard, and Velcro Strap

EDMO: Your source for safety and survival supplies
EDMO has a large variety of safety and survival supplies available. If you don't see the supplies or parts you need, check out our newly updated website at edmo.com. With thousands of parts a click away, EDMO has you covered. And as always, our friendly customer service is here for you. Call us at 1.800.235.3300 for more info.

FIREFLY PRO SOLAS EMERGENCY DISTRESS STROBE LIGHT

ACR/ARTEX
EDMO# 3970.3
MFR# 3970.3



The Firefly Pro SOLAS emergency distress light is capable of producing 41 candela of light per strobe for up to 56 hours on AA lithium batteries. With its wide light-emission LEDs, the Firefly Pro cuts through foul conditions by creating a super-bright flash that can be seen for over 3.5 miles. Three activation functions allow users to toggle between the ultra-bright strobe or S.O.S. strobe to alert search and rescue and the steady-on feature for close-up recovery operations. The water activation feature automatically activates when submerged.

- Innovative wide light emission LEDs produce a 360 degree beam with 41 candela of light which is visible for over 3.5 miles
- Cool white light, without any yellow tinting, transmits more light that is visible at greater distances
- Energy-efficient microprocessors and redesigned electronics maximize the operational life—even in harsh conditions
- Provides 56 hours of continuous strobe operation and 28 hours using the steady-on feature when using a single set of AA lithium batteries; exceeds the USCG and SOLAS requirements.
- Comfortably fits inside an inflatable life jacket or pocket
- Rugged, military-grade enclosure is able to withstand years of abuse in harsh environments
- Easily mount the Firefly Pro to a life jacket, belt, or pack via the two lashing loops and included Velcro strap

Weight:	2.39 oz (68 g), without batteries
Dimensions:	4.4 x 2.2 x 1.2 in (11.7 x 5.7 x 2.8 cm)
Operation:	Manual on/off switch, and water activation
Strobe Intensity:	41 candela (strobe)
Strobe Visibility:	Over 3 miles
Strobe Flash Rate:	60 P/M±
Strobe Operation:	56 hr
Waterproof:	Factory tested to 33 ft. (10 m)
Certification:	SOLAS, USCG, MED, TSO-C85b, IMO LSA, CE

FIREFLY PRO WATERBUG EMERGENCY DISTRESS STROBE LIGHT

ACR/ARTEX
EDMO# 3971.3
MFR# 3971.3



The Firefly Pro Waterbug emergency distress strobe is SOLAS approved and features a built-in water activation sensor that automatically activates upon submersion. The Waterbug is capable of producing 41 candela of light per strobe for up to 56 hours on AA lithium batteries. The wide light-emission LEDs cut through foul conditions by creating a super-bright flash that can be seen for over 3.5 miles. Four activation functions allow users to toggle between armed mode for automatic water activation, ultra-bright strobe or S.O.S. strobe to alert search and rescue, and the steady-on feature for close-up recovery operations.

- Innovative wide light emission LEDs produce a 360 degree beam with 41 candela of light which is visible for over 3.5 miles
- Cool white light, without any yellow tinting, transmits more light that is visible at greater distances
- Energy-efficient microprocessors and redesigned electronics maximize the operational life even in harsh conditions
- Provides 56 hours of continuous strobe operation and 28 hours using the steady-on feature when using a single set of AA lithium batteries; exceeds the USCG and SOLAS requirements
- Comfortably fits inside an inflatable life jacket or pocket
- Rugged, military-grade enclosure is able to withstand years of abuse in harsh environments
- Easily mount the Firefly Pro to a life jacket, belt, or pack via the two lashing loops and included Velcro strap

Weight:	2.39 oz (68 g), without batteries
Dimensions:	4.4 x 2.2 x 1.2 in (11.7 x 5.7 x 2.8 cm)
Operation:	Manual on/off switch, and water activation
Strobe Intensity:	41 candela (strobe)
Strobe Visibility:	Over 3 miles
Strobe Flash Rate:	60 P/M±
Strobe Operation:	56 hr
Waterproof:	Factory tested to 33 ft. (10 m)
Certification:	SOLAS, USCG, MED, TSO-C85b, IMO LSA, CE

FLASHLIGHTS

FLIGHTLIGHT

ASA
EDMO# FL-3C
MFR# ASA-FL-3C



A flashlight is a must-have for every pilot's flight bag. In or out of the cockpit, this conveniently sized, long-lasting, and durable flashlight serves as a great pilot companion. This 3-in-1 LED flashlight toggles between red, green, or white depending on your cockpit needs. With an LED life of 100,000 hours, the included alkaline batteries can keep this flashlight illuminated for up to 17 hours in red mode and 14 hours in white.

The on/off switch located on the bottom allows for easy cycling through the colors. No separate color filters, separate heads, or extra attachments are required. The adjustable flashlight head allows for easy flood and spot beam settings. The lightweight aluminum body is durable and weather resistant, and the ergonomic, textured handle allows for easy one-handed operation and compact storage.

- Dimensions: 1.3 x 4.3 in (34 x 109 mm)

MAG-LITE SOLITAIRE FLASHLIGHT

MAG INSTRUMENTS INC.
EDMO# K3A016
MFR# 120-000-808



The high-intensity beam Solitaire by Maglite® adjusts from a bright spotlight to a wide floodlight and provides twenty feet of beam distance on one AAA battery. It has a rugged, machined aluminum knurled design that is anodized inside and out to provide excellent corrosion, water, and shock resistance, and it also contains a spare lamp securely held inside the tail cap.

- Innovative extended key lead allows the light beam and keys to be used together
- Includes one AAA battery
- Available in black, red, gray, silver, and blue

MINI MAGLITE AA FLASHLIGHT

MAG INSTRUMENTS INC.



The Mini Maglite® flashlight delivers performance-oriented features in a sleek and compact design. The high-grade O-rings located at each opening ensure resistance to water and shock, while low-resistance circuitry provides efficient battery use. Though small, the Mini Mag projects a powerful beam up to 96 meters. For improved versatility, this flashlight provides a candle mode for convenient, hands-free light.

- Spot-to-flood adjustable LED beam
- Anodized for corrosion resistance and durability
- Rugged, machined aluminum case
- Water resistant

Weight:	4.15 oz
Light output:	14 lumens
Run time:	5 hours 15 min
Beam distance:	96 m
Combo pack includes:	Mini Maglite AA Flashlight, Pocket Clip, Lanyard Wrist Strap, Lens Holder, Red, Blue, and Clear Lenses, and Two AA Cell Premium Alkaline Batteries.

EDMO#	MFR#	COLOR	DESCRIPTION
M2A01C	106-000-344	Black	Combo Pack
M2A03C	106-000-346	Red	Combo Pack
M2A11C	106-000-715	Blue	Combo Pack
M2A016	M2A016	Black	Hang Pack
M2A116	M2A116	Blue	Hang Pack
M2AAEL	103-000-872	Flag-Lite	Presentation Box
M2A01H	M2A01H	Black	Holster Combo Pack
ACCESSORIES			
AM2A016	103-000-853	Accessory Pack | Includes: Pocket Clip, Lanyard Wrist Strap with Key Ring, Lens Holder, and Red, Clear and Blue Lenses	

MINI MAGLITE LED FLASHLIGHT

MAG INSTRUMENTS INC.



The Mini Maglite LED flashlight delivers performance-oriented features in a sleek, compact design. This advanced lighting instrument is driven by the next generation of MAG-LED technology. The multi-mode electronic switch offers two different power settings: a maximum-power setting that yields maximum brightness and a low-power setting to conserve battery power for reading at night or for prolonged emergency lighting.

- Spot-to-Flood adjustable LED beam
- Anodized for corrosion resistance and durability
- Rugged, machined aluminum case
- Water resistant
- Four power modes: high power, low power (25%), blink mode (approx. once a sec.), and SOS

Weight:	4.15 oz
Light Output:	97 lumens
Run Time:	11 hours
Beam Distance:	145 m

EDMO#	MFR#	COLOR	INCLUDES
SP2201H	153-000-070	Black	Polypropylene Holster & 2 AA Alkaline Batteries
SP2209H	153-000-072	Grey	Polypropylene Holster & 2 AA Alkaline Batteries

NVIS GREEN FINGER LIGHT PRO

The NVIS Green Finger Light Pro emits a 565nm night vision-capable light that conveniently fixes to the user's finger. This Pro version features a three-millimeter LED that has been specifically selected to match a laser-cut filter cut material.



- NVIS green compatible
- Automatic shut-off after 10 minutes
- Low battery indication
- Dimming with brightness memory
- Simple battery installation
- Excellent weather resistance
- Includes batteries

EDMO#	MFR#	DESCRIPTION
FGP-NG	FGP-NG	Flitelite NVIS Green Finger Light | Single light
FGP-NG-3	FGP-NG	Flitelite NVIS Green Finger Light | 3-pack

HEADLAMPS

PIXA 2 HEADLAMP

PETZL AMERICA
EDMO# E78BHB2UL
MFR# E78BHB 2UL



The rugged PIXA 2 headlamp offers lighting to allow the user to work comfortably on tasks either up close or while moving around in safety. The PIXA 2 uses Constant Lighting technology to ensure the brightness does not decrease as the batteries drain. Two lighting modes adapt the PIXA 2 headlamp for each situation; the low-intensity mode adapts to close-range work with its wide, uniform beam, while the high-intensity mode adapts to movement with a more powerful, focused beam. The PIXA 2 can be worn on the head, attached with the supplied mounting plate, or placed on the ground to provide hands-free work.

- High-intensity mode allows for the user to move around comfortably, while low-intensity mode allows the user to work on close-range tasks
- Automatically switches to reserve mode when the batteries are low
- Ergonomic, rotating knob is easy to operate even when wearing gloves
- Excellent impact resistance up to two meters
- Comfortable and washable elastic headband
- Resistant to chemicals
- ATEX Zone 2/22 certified headlamp

Weight:	5.64 oz
Lumens:	Close range: flood / 20 lumens at 25 m for 26h
Battery:	2 AA/LR06 batteries (included)
Watertightness:	IP67 (waterproof to -1 meter for 30 minutes)
Technology:	Constant lighting

TACTIKKA+ HEADLAMP

PETZL AMERICA
EDMO# E89AAB
MFR# E89AAB



E89AB-A

Designed for activities where stealth is key, the TACTIKKA+ headlamp offers a powerful 250 lumens of light. It features a very long burn time and great lighting versatility: proximity or focused lighting for movement and red lighting to preserve night vision and ensure stealth. TACTIKKA+ is a HYBRID headlamp that is also compatible with the CORE rechargeable battery.

- Red lighting preserves night vision and stealth
- Three lighting modes: proximity, movement, and distance vision
- Simple to use, thanks to its single button with which to quickly and easily select the lighting mode
- Comes with three standard batteries and is also compatible with the CORE rechargeable battery

Weight:	2.99 oz
White Light Output:	Max Autonomy: 5 lumens at 10 m for 260 hours
Red Light Output:	Proximity: 2 lumens at 5 m for 60 hours
Battery:	Three (3) AAA/LR03 batteries
Watertightness:	IPX4 (weather resistant)
Case Material:	Plastic

SURVIVAL KITS & ACCESSORIES

RAPID DITCH EXPRESS BAG

ACR/ARTEX
EDMO# 2279
MFR# 2279



The RapidDitch™ Express bag is a compact and buoyant emergency survival bag that conveniently keeps essential safety gear together in one place for quick access in emergency situations. This survival gear bag stores important personal items as well as necessary survival gear. It features all the pockets, tethers, and loops for keeping all required survival gear ready when needed.

- Added buoyancy floats up to 15 pounds of survival gear
- Reflective material increases the chance of being spotted by search and rescue
- Tough, water-resistant fabric combined with self-repairing and corrosion-resistant zippers, this bag will stand up to the harshest elements
- The RapidDitch Express Bag adds simplicity for transporting survival gear
- Innovative shoulder strap tethering system is designed to keep everyone together while in the water; simply unhook the shoulder straps to create two 4-foot tethers

Weight:	1.5 lb
Dimensions:	21 x 6 x 14.5 in (533 x 152 x 368 mm)
Material:	600 Denier Polyester and Reflective Exterior, and 210 Denier Polyester Interior
Color:	ACR Treuse
Float Load:	15 lb Dead Weight
Tether Strap:	Shoulder Straps Transform Into Two 4 ft Leashes

WW-3 RES-Q WHISTLE

ACR/ARTEX
EDMO# 2228
MFR# 2228



The WW-3 Res-Q™ Whistle has been developed for the U.S. Navy to locate overboard persons. This signal whistle produces a 102 dB, dual-tone shrill that can be heard over long distances. The flat design prevents the whistle from holding water. The included 18-inch lanyard allows the Res-Q whistle to attach to life jackets, rafts, and foul weather gear.

- The unique, flat design prevents the Res-Q™ Whistle from holding water
- Required by SOLAS 83
- Meets USCG/SOLAS requirements
- Assists rescue teams in land or sea rescues
- Use with life jackets, vests, foul weather gear, ring buoys, rafts, and keychains
- Developed for the U.S. Navy and also used by NASA, major airlines, and shipping companies

Weight:	1.4 oz (40 g)
Dimensions:	1 x 2 x 0.25 in (2.5 x 5 x 6 cm)

SHOP SUPPLIES

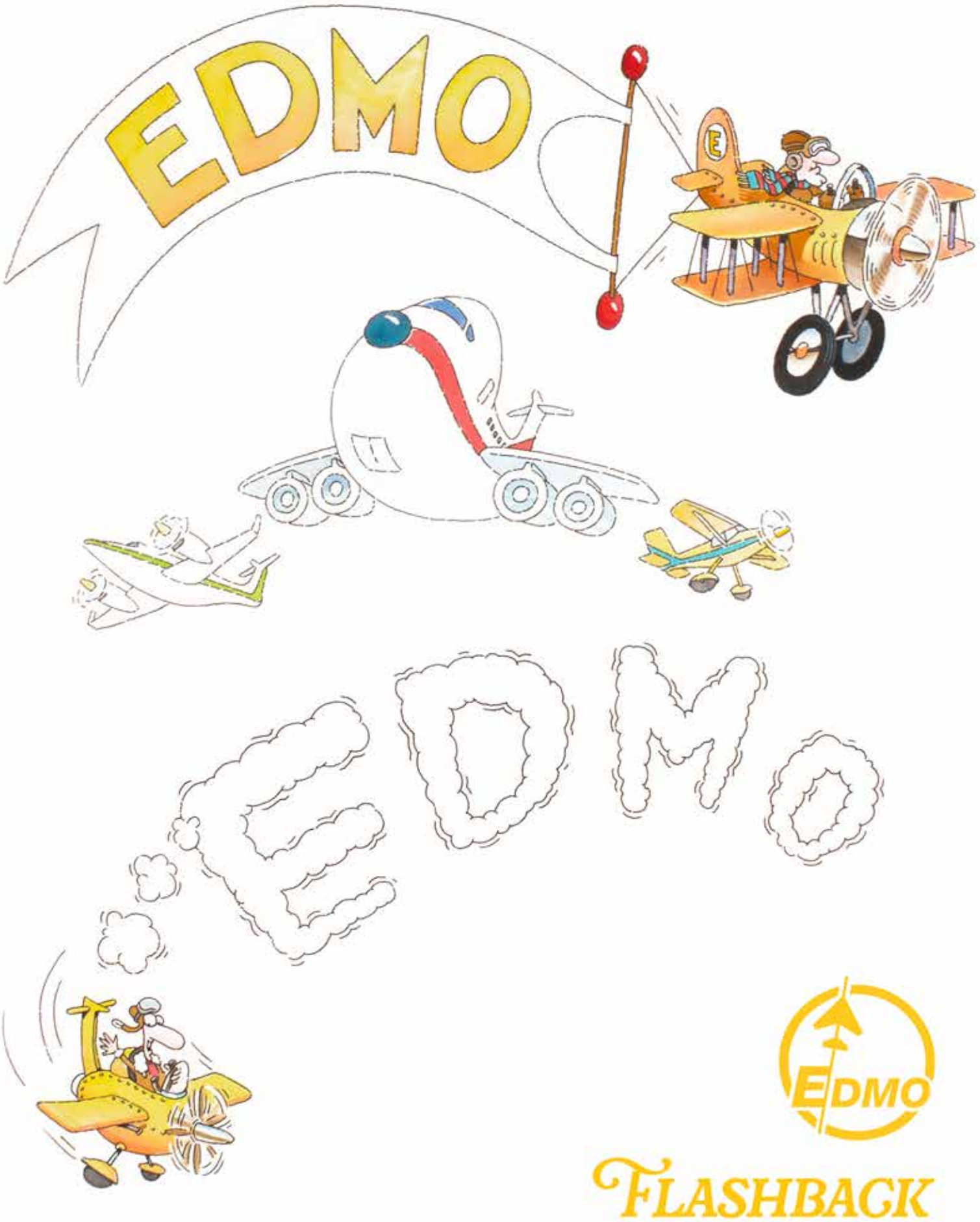
DISPOSABLE NITRILE GLOVES

Disposable, single-use, nitrile gloves are made for general-purpose use in industrial, food industry, and laboratory use. These protective gloves are ambidextrous, non-sterile, and not made with natural rubber latex. These nitrile protective gloves are black, have a 6-mil thickness, and come in various sizes.



NTRLGLVL

EDMO#	MFR#	SIZE
NTRLGLVS	TNXU10044	Small
NTRLGLVM	TNXU10045	Medium
NTRLGLVL	TNXU10046	Large
NTRLGLVXL	TNXU10047	Extra Large



EDMO

FLASHBACK

Books & Training

Student Pilot Kits 530
FAR/AIM 532
Flight Training Textbooks 533
Test Prep 534
Maintenance & Technician Textbooks 537
Reference Textbooks 538
Weather 540
Document Organization 540
Training Tools 541

STUDENT PILOT KITS

GLEIM PILOT KITS

GLEIM PUBLICATIONS, INC.

Gleim's Pilot Kits are ideal for flight students on a limited budget. These cost-saving kits make it easy to obtain all of the necessary study materials for students preparing to earn their Instrument or Commercial Pilot certificates. Each kit includes the required texts for each course of study as well as access to the FAA Test Prep Online for Commercial and Instrument Pilot (see listing below for contents specific to each kit).

DELUXE INSTRUMENT PILOT KIT



Includes: Gleim Online Ground School for Instrument Pilot, FAA Test Prep for Instrument Pilot, Instrument Pilot Audio Review, Flight Bag, Instrument Pilot ACS and Oral Exam Guide, Instrument Pilot Flight Maneuvers and Practical Test book, Instrument Pilot FAA Knowledge Test book, Instrument Pilot Syllabus book, Instrument Pilot Training Record book, Aviation Weather and Weather Services, Pilot Refresher Course

INSTRUMENT PILOT KIT



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EDMO#	MFR	DESCRIPTION
IPKIT SDO	IP KT	Deluxe Instrument Pilot
IPKITCD	IP KIT CD MLR	Instrument Pilot
CPKITCD	CP KIT CD MLR	Commercial Pilot
PILOTKITCD	PP KIT CD MLR	Private Pilot
SPKITCD	SP KIT CD MLR	Sport Pilot
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PRIVATE PILOT PART 141 KIT



Includes: Private Pilot Textbook, Private Pilot Maneuvers Manual, Private Pilot Syllabus, Private Pilot Student Record Folder, Private Pilot Airman Certification Standards (ACS), Private Pilot FAA Practical Test Study Guide, Private Pilot FAA Airmen Knowledge Test Guide, Student CSG E6B Flight Computer, PN-1 Navigation Plotter, Pilot Logbook, Student Flight Bag, and Private Pilot FAA Exam Package.

INSTRUMENT/COMMERCIAL PART 141 KIT



Includes: GFD Instrument/Commercial Textbook, GFD Instrument/Commercial Syllabus, Instrument Practical Test Standards Booklet, GFD Instrument/Commercial Record Folder, GFD Instrument/Commercial Stage Exam Booklet, Instrument Knowledge Test Guide, Commercial Knowledge Test Guide, Instrument/Commercial Pilot FAA Exam Package, IFR Three-Ring Kneeboard, Student Flight Bag, JeppShades, Airway Manual Chart Training Guide, Instructor Question Bank Exam, Instrument Computer Test Supplement, Commercial Question Bank, Commercial Computer Test Supplement, Exam Answer Sheet, and the Commercial Multi-Engine Practical Test Standards.

EDMO#	MFR	DESCRIPTION
10001948-R	10001948-R2	Private Pilot Part 61 kit
10011887R2	10011887-R2/P	Private Pilot Part 141 kit
1001188904	10011889-004	Instrument / Commercial Part 141 Kit

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- Pilot's Bill of Rights
- Unabridged AIM, including full-color graphics

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The FAR-AMT contains rules for aviation mechanics, maintenance operations, and repair shops. This AMT manual consolidates the FAA regulations and procedures into easy-to-use reference books of information pertinent to pilots, flight crew, and aviation maintenance technicians.

- Title 14 Parts 1, 3, 5, 13, 21, 23, 26, 27, 33, 34, 35, 38, 39, 43, 45, 47, 48, 65, 91, 110, 119, 121 (J, L, Z, AA, DD), 125, 135, 145, 147, and 183.
- Advisory Circulars 20-62E, 20-109B, 21-12C, 39-7D, 43-9C, 43.9-1G.

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- Title 14 Parts 1, 5, 63, 65, 91 Subpart K, 110, 111, 117, 119, 120, 121, and 135; Title 49 Hazmat 175 and TSA 1544.
- Pilot's Bill of Rights.

EDMO#	MFR	ISBN	DESCRIPTION
FRAM-BK	FR-AM-BK	978-1-64425-368-7	FAR/AIM Manual
FAR-AMT	FAR-AMT	978-1-64425-376-2	FAR-AMT Manual
FAR-FC	FAR-FC	978-1-64425-372-4	FAR-FC Manual

FLIGHT TRAINING TEXTBOOKS

GUIDED FLIGHT DISCOVERY TEXTBOOKS & SYLLABUS

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- Intended for use with FAR Part 141 training and can be adapted to FAR Part 61 training

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PRIVATE PILOT			
1000129205	10001292-005	978-0-88487-654-0	Private Pilot Syllabus
1000136006	10001360-006	978-0-88487-660-1	Private Pilot Textbook
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8081-9E 8081-10E

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EDMO#	MFR	ISBN	DESCRIPTION
8081-9E	8081-9E	978-1-64425-462-2	Flight Instructor Instrument For Airplane and Helicopter
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AIRMAN CERTIFICATION STANDARDS
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ACS-6C ACS-15 ACS-25

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ACS-6C	ACS-6C	978-1-64425-447-9	Private Pilot Airplane
ACS-7B	ACS-7B	978-1-64425-453-0	Commercial Pilot Airplane
ACS-8C	ACS-8C	978-1-64425-450-9	Instrument Rating Airplane
ACS-11A	ACS-11A	978-1-64425-459-2	ATP and Type Rating Airplane
ACS-14	ACS-14	978-1-64425-468-4	Instrument Rating Helicopter
ACS-15	ACS-15	978-1-64425-465-3	Private Pilot Helicopter
ACS-16	ACS-16	978-1-64425-465-3	Commercial Pilot Helicopter
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ACS-29	ACS-29	978-1-64425-477-6	Flight Instructor Helicopter

AVIATION MECHANIC TEST GUIDES
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AMA-25 AMG-25 AMP-25

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EDMO#	MFR	ISBN	DESCRIPTION
AMA-25	AMA-25	978-1-64425-421-9	2025 Airframe Mechanic Test Guide
AMG-25	AMG-25	978-1-64425-423-3	2025 General Mechanic Test Guide
AMP-25	AMP-25	978-1-64425-425-7	2025 Powerplant Mechanic Test Guide

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OEG-BFR8	OEG-BFR8	978-1-61954-923-4	Guide to the Flight Review
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8080-3F	CT-8080-3F	978-1-64425-045-7	Instrument Rating
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EDMO# IA-8
MFR# IA-8



This Inspection Authorization Test Prep is for the Aviation Maintenance Technician (AMT) seeking an Inspection Authorization (IA) qualification, as well as for AMT schools preparing students for the IA test. This book provides the information and resources needed to pass the FAA Knowledge Exam and helps IA candidates become familiar with the privileges and limitations of the highest level of maintenance certification.

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FIFM PPFM SPFM

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- Incorporates a list of common pilot errors and how to avoid them
- Includes full-color illustrations
- Written by Irvin N. Gleim and Garrett W. Gleim

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- Provides practice FAA knowledge tests and proposes study tips and techniques
- Appendices contain additional study questions
- Written by Irvin N. Gleim and Garrett W. Gleim

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FOI	FOI	978-1-58194-647-5	Fundamentals of Instructing
IPWE	IPKT	978-1-58194-649-9	Instrument Pilot
PPWE	PPKT	978-1-58194-650-5	Private & Recreational Pilot
RPKT	RPKT	978-1-61854-191-8	Remote Pilot

FAA KNOWLEDGE TEST GUIDES

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1000138724 1000138819 1000139002

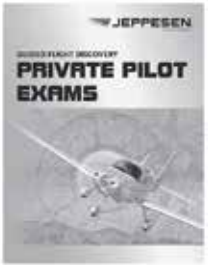
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EDMO#	MFR	ISBN	DESCRIPTION
1000138724	10001387-024	978-0-88487-663-2	Private Pilot Airman
1000138819	10001388-019	978-0-88487-060-9	Instrument Rating Airman
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PRIVATE PILOT STAGE EXAM BOOKLET

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EDMO# 1069281300
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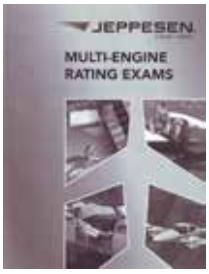


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JEPPESEN
EDMO# 1069281600
MFR# 10692816-000



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MAINTENANCE & TECHNICIAN TEXTBOOKS

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EDMO#	MFR	ISBN	DESCRIPTION
8083-30B	8083-30B	978-1-64425-354-0	AMT Handbook: General
8083-31B	8083-31B	978-1-64425-358-8	AMT Handbook: Airframe
8083-32B	8083-32B	978-1-64425-350-2	AMT Handbook: Powerplant

AVIATION MAINTENANCE TECHNICIAN: AIRFRAME STRUCTURES

ASA
EDMO# AMTSTRUC3H
MFR# ASA-AMT-STRUC-3H



Airframe, Volume 1: Structures is the second book of Dale Crane's AMT Series, the first of two volumes. These textbooks were created to set the pace for maintenance technician training and attain a level of quality that surpasses all other maintenance textbooks on the market. Airframe: Structures details the subjects associated with aircraft structures, including aerodynamics, hydraulics, and pneumatic systems, as they relate to the landing gear. Both metallic and nonmetallic structures, as well as assembly and rigging, are covered in this volume. This volume is in its Third Edition and has been updated to today's practices and procedures, now featuring full-color illustrations throughout.

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MFR# ASA-AC43.13-1B2B



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ISBN: 978-1-61954-021-7

AVIATION MECHANIC HANDBOOK

ASA
EDMO# MHB-8
MFR# MHB-8



Dale Crane's Aviation Mechanic Handbook has been considered "The Aviation Standard" for many years. A core reference manual for mechanics, aircraft owners, and pilots, this book compiles specs from stacks of reference books and government publications into a handy, toolbox-size guide. Includes information critical to maintaining an aircraft. This Eighth Edition contains the latest industry practices. Stay-flat flexible spiral binding is easy on all surfaces and allows for easy on-the-job reference.

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AIRFRAME TECHNICIAN TEXTBOOK

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EDMO# 1000246705
MFR# 10002467-005

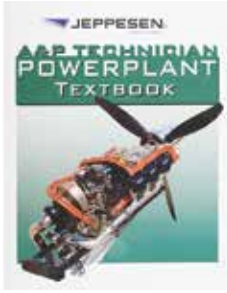


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JEPPESEN
EDMO# 1000251103
MFR# 10002511-003



A&P Technician Powerplant Textbook is an essential resource for aircraft maintenance students who are studying to become certified maintenance technicians and also is an excellent reference for the seasoned professional. The textbook introduces fundamental concepts, terms, and procedures that form the foundation for more complex material that will be encountered in later maintenance training.

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8083-1B	ASA-8083-1B	978-1-61954-481-9	Aircraft Weight and Balance Handbook
8083-2A	8083-2A	978-1-64425-271-0	Risk Management Handbook 2A
8083-3C	8083-3C	978-1-64425-068-6	Airplane Flying Handbook
8083-6	ASA-8083-6	978-1-56027-758-3	Advanced Avionics Handbook
8083-9B	8083-9B	978-1-64425-077-8	Aviation Instructor's Handbook
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AERONAUTICAL CHART USER'S GUIDE

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EDMO# CUG-16
MFR# CUG-16



The Federal Aviation Administration (FAA) publishes aeronautical charts for each stage of visual (VFR) and instrument (IFR) flight, including training, planning, departure, enroute (low and high altitude), approach, and taxiing. This guide is an excellent reference for novice and experienced pilots alike, as well as for international pilots becoming familiar with U.S. charts. This 15th Edition of the Aeronautical Chart User's Guide is the definitive learning aid, reference document, and introduction to the wealth of information provided on FAA charts and in chart navigation publications.

ISBN: 978-1-64425-442-4

THE PILOT'S MANUAL

ASA



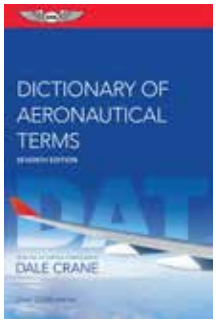
PM-2E

The sixth edition of The Pilot's Manual: Ground School covers all the required knowledge tested on the private and commercial FAA Knowledge Exams and the oral portion of the practical exam (checkride). With text supported by hundreds of full-color images, students will gain a detailed understanding of complicated topics such as airplane and airport operations, regulations, human physiology in flight, reading charts, navigation and airspace, operational weather factors, flight planning, and more. This edition has been updated to introduce readers to advances in aviation fuel, battery technology, and improved weather services available to pilots.

EDMO#	MFR	ISBN	DESCRIPTION
PM-1D	PM-1D	978-1-64425-140-9	Flight School
PM-2E	PM-2E	978-1-64425-203-1	Ground School
PM-3E	PM-3E	978-1-64425-191-1	Instrument Flying
PM-ME	PM-ME	978-1-61954-266-2	Multi-Engine Flying

DICTIONARY OF AERONAUTICAL TERMS

ASA
EDMO# DAT-7
MFR# DAT-7



The seventh edition of Dale Crane's Dictionary of Aeronautical Terms contains more than 12,000 accurate, aviation-specific terms and definitions. This ultimate reference collects all of the terms in Title 14 of the Code of Federal Regulations, glossaries from FAA handbooks, advisory circulars, the Aeronautical Information Manual (AIM), and Pilot/Controller Glossary, as well as definitions not found in government publications. This new edition accounts for the continuing evolution of the aviation and aerospace industries to include drones, commercial space, and urban mobility.

ISBN: 978-1-64425-056-3

THE COMPLETE PRIVATE PILOT

ASA
EDMO# PPT-13
MFR# PPT-13



This textbook is for anyone interested in pursuing and obtaining a private pilot, sport pilot, or recreational pilot certificate. The author, a long-admired member of the aviation community, explains in a friendly, readable style and comprehensively covers all the details involved in the adventure of becoming a pilot and learning to fly.

ISBN: 978-1-64425-037-2

SAY AGAIN, PLEASE

ASA
EDMO# SAP7
MFR# SAP7



Talking on an aviation radio and understanding air traffic control (ATC) instructions can be one of the most intimidating aspects of flight training. In Say Again, Please, Bob Gardner explains how the ATC system works and teaches pilots what to say, what to expect to hear, and how to interpret and react to clearances and instructions. His conversational-yet-concise writing style will help increase your comfort level when using an aircraft radio. Filled with examples of typical radio transmissions that explain how ATC works, as well as simulated flights that clearly demonstrate correct communication procedures in each class of airspace, this book will have you well on your way to speaking "pilot/controller" in no time.

- This book covers the following: The ABCs of communicating, Understanding radio equipment, Communication etiquette and rules, VFR, IFR, and emergency communication procedures, Airspace definitions, and more

ISBN: 978-1-64425-293-2

THE TURBINE PILOT'S FLIGHT MANUAL

ASA
EDMO# TURB-PLT5
MFR# TURB-PLT5



The Turbine Pilot's Flight Manual clarifies the complex topics of turbine aircraft engines and all major jet and turboprop power and airframe systems. It also addresses high-speed aerodynamics, automation, wake turbulence, high-altitude and adverse weather, air carrier operations, transport airplane performance, and flight deck professionalism and leadership. You'll be introduced to state-of-the-art flight deck instrumentation, including flight management systems, global navigation (GPS/RNAV/RNP), and head-up guidance systems. Learn the operating principles of hazard avoidance systems, including weather radar, enhanced ground proximity warning systems, predictive wind shear systems, advanced communication procedures and equipment (datalink and ADS-B), and the latest engine performance management techniques.

ISBN: 978-1-64425-392-2

VISUALIZED FLIGHT MANEUVERS MANUAL

ASA



VFM-HI-5



VFM-LO-5

This comprehensive maneuver manual is an excellent visual aid for instructors and pilots in training, covering all the flight maneuvers required for private, sport, commercial, and flight instructor certification. Each maneuver is depicted in detail according to the type of aircraft in which the lesson will take place, states the objective of the task, and lists the FAA Certification Standards required, serving as an effective learning and teaching tool. Fully illustrated with fold-out pages that show and explain each maneuver on a one-page spread so pilots can see and read complete details on what to do, in the proper order, to successfully demonstrate all required flight maneuvers.

This manual has a compact format with spiral binding that provides easy access to the fold-out pages. The illustrated fold-outs show each maneuver step-by-step, so pilots understand what they should be looking for outside the cockpit window.

It contains full descriptions of stalls, slips, performance, and ground reference maneuvers, as well as short, soft, and crosswind takeoffs and landings. This revised fifth edition adds a new section on energy management. Also included are suggested checklists for everything from preflight to takeoffs and landings, performance, and checkrides, and an easy-to-use index so pilots can quickly refer to any desired task.

EDMO#	MFR	ISBN	DESCRIPTION
VFM-HI-5	VFM-HI-5	978-1-64425-223-9	High-Wing Aircraft Visualized Flight Maneuvers Manual
VFM-LO-5	VFM-LO-5	978-1-64425-225-3	Low-Wing Aircraft Visualized Flight Maneuvers Manual

WEATHER

AVIATION WEATHER HANDBOOK

ASA
EDMO# 8083-28
MFR# 8083-28



Pilots and dispatchers must learn to deal with all aspects of weather, including how to appreciate good weather, recognize and respect marginal or hazardous weather, and avoid violent weather. This knowledge and the ability to make sound weather decisions are critical to the successful outcome of all flights. This book discusses each aspect of weather as it relates to aircraft operation and flight safety and provides information on the tools available for flight planning and inflight weather decisions, including observations, analyses, and forecasts.

ISBN: 978-1-64425-296-3

AVIATION WEATHER & WEATHER SERVICES

GLEIM PUBLICATIONS, INC.
EDMO# AVW-5
MFR# AVW



Aviation Weather & Weather Services is a reference book containing an up-to-date compilation of the FAA's weather publications, including the FAA's Aviation Weather (AC 00-6A) and Aviation Weather Services (AC 00-45G), along with other advisory circulars. This book is an excellent aid for students preparing for the oral portion of their instrument rating practical test.

ISBN: 978-1-58194-845-5

DOCUMENT ORGANIZATION

STUDENT FLIGHT RECORD FOR PRIVATE PILOT

ASA
EDMO# SFR-P6
MFR# SFR-P6



ASA's Student Flight Record for Private Pilot helps flight instructors and flight schools organize and document student progress towards Private Pilot Certification. A 4-panel folder for each student serves as a permanent training record, accounts for all Areas of Operation and Tasks in the ACS, and satisfies both Part 61 and 141 requirements—including preflight preparation, preflight procedures, airport operations, ground training, stage checks, takeoffs, landings and go-arounds, performance maneuvers, navigation, slow flight and stalls, basic instrument maneuvers, emergency operations, night operations, postflight procedures, multi-engine specific tasks, seaplane specific tasks, and input fields for additional tasks and enrollment information. Also includes sections for solo endorsements and credit given for previous training.

GFD INSTRUMENT/COMMERCIAL RECORD FOLDER

JEPPESEN
EDMO# 1000179402
MFR# 10001794-002



The GFD Instrument/Commercial Record Folder provides a tidy, effective way for student pilots to keep track of ground lessons, written exams, flight maneuvers, and flight checks during their instrument/commercial rating training.

- Meets the requirements of both FAR Part 141 and FAR Part 61

PRIVATE PILOT STUDENT RECORD FOLDER

JEPPESEN
EDMO# 1000179603
MFR# 10001796-003



The Private Pilot Student Record Folder provides an efficient way for student pilots to keep track of written exams, flight maneuvers, and flight checks during their pilot training.

- Meets the requirements of both FAR Part 141 and FAR Part 61

A-Z/IA-1 TAB SET

JEPPESEN
EDMO# AM625417
MFR# 10011297



Simplify location of desired charts and text sections in your Airway Manual or trip kit.

- A-Z and IA-1 tabs
- Airway Manual Services edition

TRAINING TOOLS

JIFFYHOOD/IFR TRAINING HOOD

ASA
EDMO# H2G
MFR# H2G



One of the most used view-limiting devices for instrument training, ASA's Jiffyhood is comfortable, light-weight, and does the job at a reasonable price. The adjustable elastic strap makes it easy on/off transition from VFR to simulated instrument conditions while blocking outside references. It is light gray with black adjustable straps, and one size fits all.

FAA TEST PREP SOFTWARE

GLEIM PUBLICATIONS, INC.
EDMO# PPWE-CD
MFR# PPKTCD BOX / AC SLEEVE



Gleim's FAA Test Prep software contains everything you need to study for your FAA Knowledge Tests in one unique, easy-to-use program. Software libraries covering all knowledge tests from Sport Pilot through ATP and Flight Engineer are available.

PRIVATE PILOT FAA AUDIO REVIEW

GLEIM PUBLICATIONS, INC.
EDMO# PPAL-CD
MFR# PPAL



The Gleim Private Pilot Audio Review contains, on average, 30-minute overviews of each study unit. Listen to these overviews while riding in a car or airplane, exercising, etc. These audios cover the topics that will appear on your pilot knowledge test. After discussion of a tested concept, the audio states, "For the FAA test..." followed by the key facts to remember when answering a question on that topic. Thus, when you practice answering questions and when you take your test, you will know the correct answers.

FOGGLES

FOGGLES INC



6161



6162

IFR training Foggles are designed to limit the pilot's field of vision, encouraging the pilot to fly with only the help of the flight instruments. The shatterproof polycarbonate lenses are frosted to partially block the wearer's field of vision. The open area is just large enough to allow the pilot in training to have a full view of the instrument panel. Foggles are light, comfortable, and easy to wear because they are designed like regular glasses. Includes a protective case.

Weight:	1.6 oz
Dimensions:	7.7 x 6.4 x 1.6 in (pouch size)

EDMO#	MFR#	COLOR
6161	6161	Clear
6162	6162	Yellow

JEPPSHADES/IFR TRAINING GLASSES

JEPPESEN
EDMO# JS404311
MFR# 10011864-000



JeppShades IFR Training Glasses replace bulky, hard-to-use instrument training hoods. With an improved design, JeppShades allow for better interactions between student and instructor. This proven design fits under headsets and can be adjusted with a Velcro® strap to reduce pressure on the wearer's ears and temples. The JeppShades flip-up lens, which is crafted with high-quality polycarbonate, allows the wearer to switch between IFR and VFR flight.

Apparel, Bags & Accessories

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FLIGHT JACKETS

YOUTH SNORKEL JACKET

FLIGHTLINE

The nylon Snorkel Jackets are endowed with a touch of nostalgia and a healthy dose of vintage aviation style. These jackets are sage green with an orange lining and are fitted with a warm, faux fur lining. Carefully crafted with details that add to their overall authenticity, the jackets are adorned with colorful, embroidered flight badges.



EDMO#	MFR#	SIZE
2007B-S	2007B-S	Kids Small (Size 4)
2007B-M	2007B-M	Kids Medium (Size 5)
2007Y-M	2007Y-M	Youth Medium (Size 10)

YOUTH BROWN BOMBER JACKET

FLIGHTLINE

Based on the original B3 bomber jackets, each of the brown, leather-like bombers is embellished with a shearling collar and a map on the interior lining. Carefully crafted with details that add to their overall authenticity, the jackets are adorned with colorful, embroidered flight badges.



EDMO#	MFR#	SIZE
TODDLER-2	TODDLER-2	Toddler (Size 2)
TODDLER-3	TODDLER-3	Toddler (Size 3)
TODDLER-4	TODDLER-4	Toddler (Size 4)
KIDS-4/5	KIDS4/5	Kid (Size 4/5)
KIDS-6	KIDS-6	Kid (Size 6)
KIDS-7	KIDS-7	Kid (Size 7)
YOUTH-08	YOUTH-08	Youth (Size 8)
YOUTH-1012	YOUTH-1012	Youth (Size 10/12)
YOUTH-1416	YOUTH-1416	Youth (Size 14/16)

YOUTH MA1 JACKET

FLIGHTLINE





The MA1 jackets harken back to the first nylon flight jackets produced around 1950. Available in classic military green or pink and adorned with patches. They are also embellished with a map on the interior lining—a feature that figured in the original jackets as a navigational aid if the pilot was shot down while on a mission.

EDMO#	MFR#	SIZE
GREEN		
MA1-2T	MA1-2T	Toddler (Size 2)
MA1-3T	MA1-3T	Toddler (Size 3)
MA1-4T	MA1-4T	Toddler (Size 4)
MA1-5T	MA1-5T	Kid (Size 4/5)
MA1-YXS	MA1-YXS	Kid (Size 6)
MA1-YS	MA1-YS	Kid (Size 7)
MA1-YM	MA1-YM	Youth (Size 8)
MA1-YL	MA1-YL	Youth (Size 10/12)
MA1-YXL	MA1-YXL	Youth (Size 14/16)
PINK		
MA1-P-2	MA1-P-2	Kid (Size 2)
MA1-P-3	MA1-P-3	Kid (Size 3)
MA1-P-4/5	MA1-P-4/5	Kid (Size 4/5)
MA1-P-6	MA1-P-6	Kid (Size 6)
MA1-P-7	MA1-P-7	Kid (Size 7)
MA1-P-8	MA1-P-8	Kid (Size 8)
MA1-P-1012	MA1-P-1012	Kid (Size 10/12)
MA1-P-1416	MA1-P-1416	Kid (Size 14/16)

ADULT MA1 JACKET

FLIGHTLINE



The MA1 jackets harken back to the first nylon flight jackets produced around 1950. Available in classic military green, black, and navy, and finished with an orange lining.

EDMO#	MFR#	SIZE
BLACK		
MPMA1-BS	7324	Adult Small
MPMA1-BM	7324	Adult Medium
MPMA1-BL	7324	Adult Large
MPMA1-BX	7324	Adult X-Large
MPMA1-BXX	7324	Adult XX-Large
GREEN		
MPMA1-GS	7323	Adult Small
MPMA1-GM	7323	Adult Medium
MPMA1-GL	7323	Adult Large
MPMA1-GX	7323	Adult X-Large
MPMA1-GXX	7333	Adult XX-Large
MPMA1-GXXX	7333	Adult XXX-Large
NAVY BLUE		
MPMA1-NS	7325	Adult Small
MPMA1-NM	7325	Adult Medium
MPMA1-NL	7325	Adult Large
MPMA1-NX	7325	Adult X-Large
MPMA1-NXX	7335	Adult XX-Large

APPAREL

PILOT IN TRAINING T-SHIRT
BORN AVIATION PRODUCTS INC

Perfect for a future Air Force pilot, this toddler shirt displays a commercial jet and private aircraft happily passing each other against the sky-blue shirt, while "pilot in training" floats on fluffy white clouds in the background.



EDMO#	MFR#	SIZE
KW-PT-4T	KW-PT4T	4T

CHICKS FLY PINK T-SHIRT
BORN AVIATION PRODUCTS INC

Perfect for an aviation enthusiast, this toddler shirt displays a yellow chick wearing aviator goggles against the pink shirt with "Chicks Fly" in yellow lettering.



EDMO#	MFR#	SIZE
CF-PK-2T	CF-PK-2T	2T
CF-PK-3T	CF-PK-3T	3T
CF-PK-4T	CF-PK4T	4T

CESSNA PLANE T-SHIRT
RED CANOE

This Cessna Plane t-shirt features a classic Cessna plane logo centered on the front and is made from 100% cotton—prewashed to eliminate shrinking. This short-sleeved heritage red shirt is available in multiple adult sizes.



EDMO#	MFR#	SIZE
CEPL01HRTS	M-SST-CEPL-01-HR-SM	Adult Small
CEPL01HRTM	M-SST-CEPL-01-HR-MD	Adult Medium
CEPL01HRTL	M-SST-CEPL-01-HR-LG	Adult Large
CEPL01HRTX	M-SST-CEPL-01-HR-XL	Adult X-Large
CEPL01HRT2	M-SST-CEPL-01-HR-XXL	Adult XX-Large

#AVGEEK T-SHIRT
RUNWAY THREE-SIX

Runway THREE-SIX believes the glory of aviation should be celebrated through style and expression. The "#avgeek" with model and plane is printed on a polyester/cotton/rayon blend t-shirt.

- Natural and synthetic blend material
- Screen printed



EDMO#	MFR#	SIZE
R36-AVG-MM	#avgeek lady- Men's Medium	Men's Medium
R36-AVG-ML	#avgeek lady- Men's Large	Men's Large
R36-AVG-MX	#avgeek lady- Men's X-Large	Men's X-Large

CIVIL AVIATOR T-SHIRT
RUNWAY THREE-SIX

Runway THREE-SIX has taken flight, maintained aircraft, and worked tirelessly to bring better communication to the field of aviation. Now, they are sharing their passion to bring modern and fun apparel perfect for today's aviation enthusiast.

- Natural and synthetic blend material
- Screen printed



EDMO#	MFR#	SIZE
R36-CAW-ML	Civil Aviator- White, Men's Large	Men's Large
R36-CAW-MX	Civil Aviator- White, Men's X-Large	Men's X-Large

EAT-SLEEP-MAINTAIN T-SHIRT
RUNWAY THREE-SIX

Runway THREE-SIX has taken flight, maintained aircraft, and worked tirelessly to bring better communication to the field of aviation. Now, they are sharing their passion to bring modern and fun apparel perfect for today's aviation enthusiast.

- Natural and synthetic blend material
- Screen printed



EDMO#	MFR#	SIZE
R36-ESM-ML	Eat-Sleep-Maintain, Men's Large	Men's
R36-ESM-MX	Eat-Sleep-Maintain, Men's X-Large	Men's X-Large

FLIGHT CLUB T-SHIRT
RUNWAY THREE-SIX

Runway THREE-SIX has taken flight, maintained aircraft, and worked tirelessly to bring better communication to the field of aviation. Now, they are sharing their passion to bring modern and fun apparel perfect for today's aviation enthusiast.

- Natural and synthetic blend material
- Screen printed



EDMO#	MFR#	SIZE
R36-FC-ML	Flight Club- Men's Large	Men's Large
R36-FC-MX	Flight Club- Men's X-Large	Men's X-Large

WHISKEY TANGO FOXTROT T-SHIRT

RUNWAY THREE-SIX

Runway THREE-SIX has taken flight, maintained aircraft, and worked tirelessly to bring better communication to the field of aviation. Now, they are sharing their passion to bring modern and fun apparel perfect for today's aviation enthusiast.

- Natural and synthetic blend material
- Screen printed



EDMO#	MFR#	SIZE
R36-WTF-MX	Whiskey Tango Foxtrot-Block Red	Men's X-Large

AVIATOR STYLE SHIRT

PHILLIPS VAN HUESEN CO

The Van Heusen Aviator shirt is a classic, professional pilot shirt worn by more commercial pilots than any other shirt. Made with 65% wrinkle-free polyester and 35% combed cotton, this shirt features two flap pockets with a pen slot and tuck-in tails.



EDMO#	MFR#	SIZE	COLOR
SHORT SLEEVE			
57-306-145	13V5003	Men's- 14.5	White
57-306-15	13V5003	Men's- 15	White
57-306-155	13V5003	Men's- 15.5	White
57-306-165	13v5003	Men's- 16.5	White
57-306-17	13V5003	Men's- 17	White
57-306-175	13V5003	Men's- 17.5	White
57-306-18	13V5003	Men's- 18	White
57-306-185	13V5003	Men's- 18.5	White
57-306-19	13V5003	Men's- 19	White
57-307-155	13V5003	Men's- 15.5	Blue
57-307-16	13V5003	Men's- 16	Blue
57-307-165	13V5003	Men's- 16.5	Blue
57-307-17	13V5003	Men's- 17	Blue
57-307-175	13V5003	Men's- 17.5	Blue
58-473-8	13V5006	Ladies- 8	White
58-473-10	13V5006	Ladies- 10	White
58-473-14	13V5006	Ladies- 14	White
LONG SLEEVE			
57-309-165	13V5000	Men's- 16.5/34-35	White
57-309-175	13V5000	Men's- 17.5/34-35	White
57-309165A	13V5000	Men's- 16.5/32-33	White
58-476-4	13V5005	Ladies- 4	White
58-476-6	13V5005	Ladies- 6	White
58-476-8	13V5005	Ladies- 8	White
58-476-12	13V5005	Ladies- 12	White
58-476-16	13V5005	Ladies- 16	White

PILOT STYLE SHIRT

PHILLIPS VAN HUESEN CO

The Van Heusen Pilot shirt is a classic, professional pilot shirt worn by more commercial pilots than any other shirt. Made with 65% wrinkle-free polyester and 35% combed cotton, this shirt features two flap pockets with mitred bellows, a pen slot, and tuck-in tails.



EDMO#	MFR#	SIZE	COLOR
SHORT SLEEVE			
57-439-15	13V5008	Men's- 15	White
57-439-16	13V5008	Men's- 16	White
LONG SLEEVE			
57-361-15	13V5007	Men's- 15/32-33	White
57-361-16	13v5007	Men's- 16/32-33	White
57-361-18A	13V5007	Men's- 18/34-36	White
LONG SLEEVE TAPERED			
57-363-165	13V5009	Men's- 16.5	White

COMMANDER STYLE SHIRT

PHILLIPS VAN HUESEN CO

The Van Heusen Commander shirt is a classic, professional pilot shirt worn by more commercial pilots than any other shirt. Made with 60% cotton and 40% polyester, this shirt features two top-entry pockets with nonfunctional flaps and tuck-in tails.



EDMO#	MFR#	SIZE	COLOR
SHORT SLEEVE			
57-528-155	13V5013	Men's- 15.5	White

HATS

CESSNA PLANE CAP

RED CANOE

EDMO# CEPL-01-HR
MFR# U-CAP-CEPL-01-HR

The Cessna Plane Cap is made of 100% brushed cotton twill and features a felt appliqué Cessna logo with direct embroidery. Available in heritage red. One size fits most.



DE HAVILLAND CAP

RED CANOE

The De Havilland Cap is made of 100% brushed cotton twill and features a double-layer felt appliqué De Havilland logo. Available in burnt yellow, navy, and tan. One size fits most.



EDMO#	MFR#	COLOR
DHC1CG	U-CAP-DHC-01-BY	Burnt Yellow
DHC1CN	U-CAP-DHC-01-NY	Navy
DHC1CT	U-CAP-DHC-01-TN	Tan

US ROUNDEL CAP

RED CANOE

The US Roundel Cap is made of 100% brushed cotton twill and features a double-layer felt appliqué US Roundel logo. One size fits most.



EDMO#	MFR#	COLOR
USAR-01-NY	U-CAP-USAR-01-NY	Navy
USAR-01-BY	U-CAP-USAR-01-BY	Burnt Yellow

FLIGHT BAGS

PILOT BRIEFCASE

ASA
EDMO# BAG-BRIEF1
MFR# ASA-BAG-BRIEF-1



The Pilot Briefcase features an expandable, zippered main compartment with room for all ground and flight school necessities. The outer flap provides easy access to a chart pocket with multiple accessory storage areas to store everything from pencils and pens to flashlights and flight computers. The flap buckles are rugged, as is the 600D polyester bag for exceptional durability. This bag is included with the ASA Student Pilot kits. Also perfect for laptop computers.

- Dimensions: 15 x 11 x 3 inches

FLIGHT BAG

ASA
EDMO# BAG-FLT-3
MFR# ASA-BAG-FLT-3



The ASA Flight Bag is large enough to fit everything a pilot needs and more without being too bulky to manage. Made with durable, water-repellent 600D polyester, this bag has sturdy comfort grip connectable handles, a non-slip detachable carry strap, heavy-duty zippers, and reinforcing straps that go around the bag for extra strength. Sturdy feet built onto the bottom protect it from the elements on the ramp.

- Dimensions: 18 x 11 x 11 inches

PILOT BAG

ASA
EDMO# BAG-PILOT1
MFR# ASA-BAG-PILOT-1



The Pilot Bag is the simple, no-frills bag of choice for everyday flying because it's big enough to hold a pilot's essentials yet compact enough to carry, transport, and store easily. This bag is a favorite among both fixed-wing and rotorcraft flight instructors who often recommend it to their students for solo and cross-country flights.

- Dimensions: 10 x 10 x 8 inches

PRO FLIGHT BAG

ASA
EDMO# BAG-PRO-2
MFR# ASA-BAG-PRO-2



The Pro Flight Bag is the best of the best when it comes to pilot gear. Along with all of the same great features found in the ASA Flight Bag, the Pro Flight Bag is made from water-repellent 600D polyester for extreme durability and gear protection. The contrasting lining on the inside makes finding items easy. Headset pockets can be found at each end of the bag, while two large side pockets provide easy access to other items you might need for your flight. The large central pocket at the heart of the Pro Flight Bag can be used for books or a change of clothes. Movable dividers are included and can be fastened in place with velcro tabs to customize the compartment and suit your personal storage needs.

- Dimensions: 10 x 10 x 8 inches

PILOT BACKPACK

ASA
EDMO# BACKPACK
MFR# BAG-BACKPACK



The new ASA AirClassics® Pilot Backpack delivers the functionality and practicality students and pilots need to conveniently transport books and pilot supplies on the ground, in the air, from campus to the airport, and everywhere in between. Made of durable fabric and supported by a heavy-duty, water-resistant bottom, this backpack keeps books and supplies organized and protected.

- Dimensions: 18 x 14 x 9 inches

AIRCLASSICS® CREW PACK

ASA
EDMO# CREWPACK
MFR# BAG-CREWPACK



ASA AirClassics® pilot gear presents a clean, sophisticated, and professional look with supremely functional designs able to withstand the demanding aviation environment. Engineered specifically to meet the needs of professional pilots with collaboration and input from flight crews throughout the industry, the structured and professional ASA Crew Pack is an exciting addition to the AirClassics crew line. Whether used for work or play, this modern pack is designed to accommodate all your cockpit and travel essentials for multi-day trips and can also be used for briefcase-style carrying.

- Dimensions: 13 x 19 x 7 inches

EDMO: Big selection, products you know & trust

Whether it's a short flight or those far away, EDMO has all the necessary pilot supplies to keep you comfortable and prepared. Not finding what you need? Give us a call at 1.800.235.3300 or view our full inventory at edmo.com.

AIRCLASSICS® CREW TRIP BAG

ASA
EDMO# CREWTRIP
MFR# BAG-CREWTRIP



ASA AirClassics® pilot gear presents a clean, sophisticated, and professional look with supremely functional designs able to withstand the demanding aviation environment. Engineered specifically to meet the needs of professional pilots with collaboration and input from flight crews throughout the industry, the structured and professional ASA Crew Trip Bag is an exciting addition to the AirClassics crew line. This modern flight bag is designed with attention to every detail for ultimate functionality.

- Dimensions: 14 x 11.5 x 7.5 inches

CESSNA STOW BAG

RED CANOE
EDMO# CEST-01-TN
MFR# U-BAG-CEST-01-TN



The Cessna stow bag fits a headset, navigational tools, and a pilot operating handbook as easily as gym gear. The vintage design is made of rugged cotton twill, brass hardware, YKK zippers, and an adjustable shoulder strap.

PILOT FLIGHT BAGS

FLIGHTLINE



The deluxe padded flight bags by FlightLine boast an incredible array of storage features perfect for protecting and organizing fragile and expensive equipment. The heavy-duty one-piece nylon handle is actually sewn into the medium and large bags and wraps underneath to ensure handle strength and bag durability.

- The large pilot bags (FL-FB-10) include a baseplate (FL-FB-99) and a strap (FL-FB-STR)

EDMO#	MFR#	SIZE	COLOR
FL-FB-10	FL-FB-10	Large	Black
FL-FB-20	FL-FB-20	Medium	Black
FL-FB-30	FL-FB-30	Small	Black

PILOT HEADSET CASE

FLIGHTLINE
EDMO# FL-HC-40
MFR# FL-HC-40



This Flight Line headset case has a space-saving, low-profile design that accommodates a headset in its spacious, double-zippered main compartment. This headset case has a comfort grip handle and a large back pocket for a cell phone, pens, a handheld scanner, or maps.

FLIGHT BAG

GLEIM PUBLICATIONS, INC.
EDMO# BAG
MFR# BAG FLIGHT



This Flight Bag (BAG) from Gleim Aviation keeps both student and veteran pilots organized while offering ample storage for anything that a pilot might need to carry. This bag is fully functional for in-flight operation and provides quick access to all of the necessary equipment.

- Padded exterior headset pocket protects headsets
- Ample room for a variety of items in the front, side, and rear pockets
- Conveniently holds charts, training materials, books, approach plates, and anything else a pilot might need
- Organization pockets for a cell phone, pens, and view-limiting devices
- Dividers in the main compartment make organization easy

STUDENT FLIGHT BAG

JEPPESEN
EDMO# JS621212
MFR# 10001301-000



A great multi-purpose bag for the student pilot or mechanic. Features include seven exterior pockets, three small exterior pockets for pens or small flashlights, an interior key clip, a removable shoulder strap, a double zipper opening, and a reinforced base. Each non-padded bag is made from Dupont's heavy-duty 600D-Denier Cordura polymer with a PVC coating on one side for added water resistance, strength, abrasion resistance, and durability.

- Dimensions: 11 x 5.5 x 16 inches

NAVIGATOR FLIGHT BAG

JEPPESEN
EDMO# JS621213
MFR# 10001302-001



This Navigator Flight Bag offers pilots convenience and flexibility with two detachable, large headset bags with exterior pockets. A four-way adjustable divider provides flexibility to stow up to six 2-inch binders, and a large front pocket is large enough for a laptop or tablet. This bag is fully padded for protecting its contents, and the heavy-duty 600D polyester with a PVC coating construction adds durability and water resistance.

- Dimensions: 12 x 24 x 12 inches

CAPTAIN'S BAG

JEPPESEN
EDMO# 10001303
MFR# 10001303-002



This Captain's Bag from Jeppesen has been redesigned with heavy-duty 1680 denier polyester and a PVC coating for added water resistance. For added durability, this pilot's bag features self-repairing zippers, double stitching for added strength, and abrasion resistance for extra durability. Also included in this captain's bag are two removable headset bags, one removable transceiver/GPS bag, a four-way adjustable divider in the main compartment capable of carrying six two-inch benders, and a large exterior laptop bag.

- Dimensions: 12 x 24 x 13 inches

MISSION PUBS BAG

FLYBOYS

The FlyBoys Regular Pubs bag is rugged, versatile, and easy to use. Combat tested, with countless flight hours in a myriad of different aircraft, this Pubs Bag is ideal for organizing and storing checklists, charts, approach books, headsets, and more for easy access in-flight. The main storage compartment expands up to 5.5 inches and features an interior divider for organizing contents. The front and rear compartments also expand, giving the entire bag the ability to expand from just 1 inch thick when empty to 8.5 inches when fully loaded. The sides of the bags feature a dual-pen holder on one side and a flexible side pocket on the other, perfect for storing a water bottle, sunglasses, a flashlight, and more.



FB1020 GRN

EDMO#	MFR#	COLOR
FB1020 BLK	FB1020-BLK	Black
FB1020 GRN	FB1020-OLV	Olive Green

JUMBO HELMET BAG

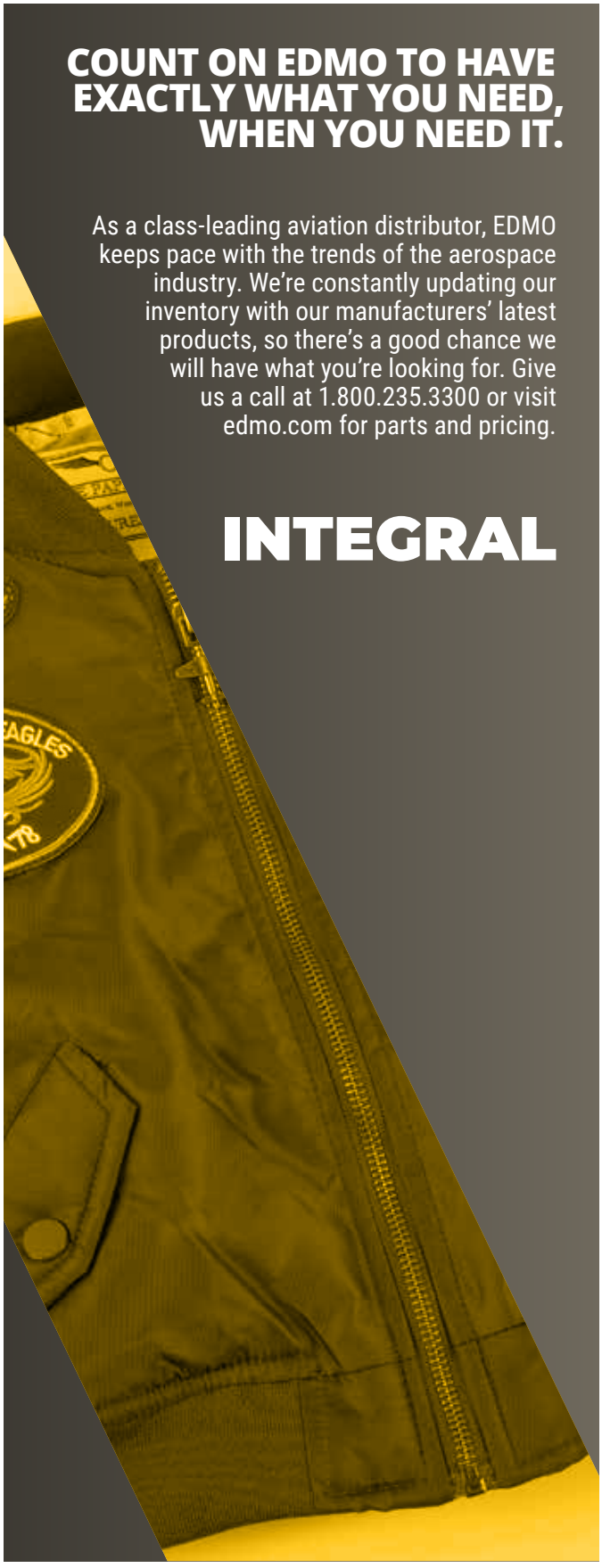
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FB1121 BLU

EDMO#	MFR#	COLOR
FB1121 BLK	FB1121-BLK	Black
FB1121 BLU	FB1121-BLU	Blue
FB1121 GRN	FB1121-OLV	Olive Green



PATCHES, PINS & JEWELRY

PATCHES

APOLLO EMBLEM MANUFACTURER

EDMO#	MFR#	SIZE	
3021	3021	3.5 x 2 in	
3086	3086	5 x 1.5 in	

Novelties & Gifts

Wall Clocks 552
Desk Accessories 553
Coasters 553
Magnets 555
Keychains 555
License Plates & Frames 556
Toys 556

WALL CLOCKS

INSTRUMENT WALL CLOCKS
TRINTEC INDUSTRIES INC

Delightful representations of cockpit instruments, these aviator wall clocks add an aviation-themed flair to any office or avionics shop. The case is constructed with an injected molded, high-impact polystyrene and features a glass lens for durability and scratch resistance. The precise quartz movement is powered by one AA battery.

- Available in 6-inch and 10-inch versions

6-INCH WALL CLOCKS


9062


9063


9064

10-INCH WALL CLOCKS


3020-10


3061-10-C


3063-10

EDMO#	MFR#	STYLE	INSTRUMENT
6-INCH WALL CLOCKS			
2060	2060	Modern	Altimeter
2061	2061	Modern	Airspeed
2063	2063	Modern	Artificial Horizon
2066	2066	Modern	Turn & Bank
2067	2067	Modern	RPM
9060CLOCK	9060CLOCK	Instrument	Altimeter
9062	9062	Instrument	Directional Gyro
9063	9063	Instrument	Artificial Horizon
9064	9064	Instrument	Instrument Style VOR
CES-9060	CES-9060	Instrument	Cessna Altitude
9063V	9063V	Vintage	Artificial Horizon
10-INCH WALL CLOCKS			
3020-10	3020-10	Modern	Altimeter
3060-10CES	CES-3060-10	Classic	Cessna Altimeter
3061-10-C	3061-10-C	Classic	Airspeed
3062-10-C	3062-10-C	Classic	Directional Gyro
3063-10-C	3063-10-C	Classic	Artificial Horizon
3064-10-C	3064-10-C	Classic	VOR
3065-10-C	3065-10-C	Classic	Cockpit Clock
3061-10	3061-10	Instrument	Airspeed
3060-10	3060-10	Instrument	Altimeter
3062-10	3062-10	Instrument	Directional Gyro
3063-10	3063-10	Instrument	Artificial Horizon
3066-10	3066-10	Instrument	Turn & Bank
3067-10	3067-10	Instrument	Percent RPM

DUAL TIME CLOCKS
TRINTEC INDUSTRIES INC


DSP-03


ZT14-01

These dual-time clocks use two sets of hands to indicate 12- and 24-hour time. The case is constructed of high-impact polystyrene and has a snap-in, polystyrene lens. The high-quality quartz movement is powered by one AA alkaline battery.

- Separate hands indicate 12 & 24 hour time
- Independently set the 24 hour hand to GMT or a time zone of choice
- Available in Dispatch or Zulu time & 10- and 14-in sizes

EDMO#	MFR#	FACE COLOR	DIAMETER
DISPATCH DUAL-TIME			
DSP-02	DSP-02	White	10 inch
DSP-03	DSP-03	White & black	10 inch
ZULU DUAL TIME			
ZT14-01	ZT14-1	Black	14 inches
ZT14-3	ZT14-3	Black & white	14 inches

ZULUTIME 24-HOUR CLOCK
TRINTEC INDUSTRIES INC

ZuluTime clocks are perfect for those who prefer Zulu or military time. The face is easy to read with oversized numerals every six hours. The case is constructed of high-impact polystyrene and has a snap-in, polystyrene lens. The high-quality quartz movement is powered by one AA alkaline battery.

- Available in 10- and 14-inch sizes


ZT24HR10-B

EDMO#	MFR#	FACE COLOR	SIZE
ZT24HR10-B	ZT25HR10-B	Black	10 inches

TIME/TEMPERATURE COMBO WALL DISPLAY
TRINTEC INDUSTRIES INC
EDMO# 9060/9061
MFR# 9060/9061

This Time/Temperature combo wall clock injects a little aviation flair into any office. The clock and instrument dials are designed to look like aircraft instruments—allowing office workers to bring a little of the flight experience to work with them. Each clock case is constructed with injection-molded, high-impact polystyrene and features a real glass lens for durability and scratch resistance. The high-quality quartz movement is powered by one AA alkaline battery.

- 15 x 7.5 x 2 inches



AIRSPEED INSTRUMENT STYLE THERMOMETER

TRINTEC INDUSTRIES INC
EDMO# 9061THERM
MFR# 9161



This airspeed instrument-style thermometer will add a touch of aviation flair to any room and is designed to mimic a cockpit instrument—allowing office workers to bring a little of their flight experience to work with them. The case is constructed with injected-molded, high-impact polystyrene and displays the temperature in both degrees Fahrenheit and Celsius.

- 6.5 x 6.5 x 1.5 inches
- No battery required

DESK ACCESSORIES

D811C AVIATORS DESK CLOCK

DAVTRON INC
EDMO# 1-D811C
MFR# 0001-D811C



The D811C Aviators Desk Clock is modeled after the 811 series aircraft clocks. The six digit, sunlight readable display shows local time in 12 or 24 hour formats, flight time, elapsed time up, and elapsed time down with a flashing alarm. This desk clock is enclosed in a nickel-plated, aluminum housing with a black faceplate for custom laser engraved artwork.

Davtron designed and manufactured the 811 series clock. With over forty-thousand clocks in the field, the 811 series still remains in production. These clocks were installed in the SAM 26000 and SAM 27000 Air Force One aircraft. Now retired for display in the Air Force One Pavilion of the Ronald Reagan Presidential Library and Museum, the flight deck of the SAM 27000 can be viewed in all of its glory.

- Precise and accurate clock from 40°C to 85°C
- LED display with 100,000 hour rating
- Sunlight readable, six-digit display for all functions
- Displays local time in 12 or 24 hour formats
- Displays 24 hour flight time and 24 hour flight elapsed time up/down with flashing alarm
- Custom laser engraved faceplate
- Nickel-plated, machined aluminum housing
- LED backlight with toggle switch for bright, off, and dim settings
- Polycarb Lens filter - Light Shield

INSTRUMENT DESK ALARM CLOCK

TRINTEC INDUSTRIES INC



DM60 DM62 DM63 DM64

These instrument-style desk alarm clocks add some aviation fun to any office with their classic primary flight instrument faces. Each clock is shaped like an aviation instrument and constructed with injection-molded, high-impact polystyrene. The precise quartz clock movement is powered by one AA alkaline battery.

- 3.5 x 3.5 x 1 inch

EDMO#	MFR#	STYLE	INSTRUMENT
DM60	DM60	Classic	Altimeter
DM62	DM62	Classic	Directional Gyro
DM63	DM63	Classic	Artificial Horizon Desk
DM64	DM64	Classic	VOR

ALARM CLOCK & PEN SET

TRINTEC INDUSTRIES INC



DS60



DS63

Each alarm clock and pen set includes a removable alarm clock that features a classic aviation dial and a pen that is vertically stationed in a well-crafted base. The alarm clock base is constructed with an injection-molded, high-impact polystyrene and features a glass lens for durability and scratch resistance. The precise quartz movement is powered by one AA alkaline battery.

- Clock: 3.5 x 3.5 x 1 inch / Base: 2.125 x 7.25 inch

EDMO#	MFR#	STYLE	INSTRUMENT
CES-DS60	DS60-CES	-	Cessna Altimeter
DS60	DS60	Classic	Altimeter
DS62	DS62	Classic	Directional Gyro
DS63	DS63	Classic	Artificial Horizon

COASTERS

MODERN 4-PIECE ROUND INSTRUMENT COASTER SET

TRINTEC INDUSTRIES INC
EDMO# 9010COAST
MFR# 9010



These modern round coasters are made of clear acrylic and have four rubber feet on the underside, ensuring stability and avoiding surface damage.

- Set of four round coasters
- 3.875-inch, diameter

OWN A CUSTOM PIECE OF AVIATION HISTORY



Introducing The 811 Series Aviators Desk Clock,

Where Timeless Design Meets Personalized Craftsmanship.

Your clock. Your story. Customize your 811 Series Desk Clock to reflect your passion for aviation with these exclusive options:

- Vector Line Trace: Showcase your favorite aircraft or insignia with clean, minimalist lines.
- Vector Artwork: Intricate design that bring aviation icon to life.
- Photo Etch: Add personal touches like a squadron emblem or aircraft image for a tribute like no other.
- Each Clock is crafted with precision, honoring the legacy of aviation.

Limited Production Run
Once this exclusive collection is sold out, its gone forever. Secure a truly one-of-a-kind piece that blends functionality with aviation heritage.

Don't wait - place your order today at AviatorsDeskClock.com and create a timeless keepsake that's uniquely yours!

OWN A PIECE OF AVIATION LEGACY

50 years ago, Davtron designed and manufactured the iconic 811 Series clock for aircraft. Originally installed in Air Force One aircraft SAM 26000 and SAM 27000, this clock has been a trusted tool in aviation since 1974. Davtron clocks have been installed on every Air Force One since then, with the 811 Series becoming a hallmark of precision and reliability.

In addition to Air Force One, the 811 Series clock was used in the legendary U-2 reconnaissance aircraft, where its durability and accuracy were essential for high-altitude missions. The U-2 continued to rely on the 811 Series clock until the glass cockpit upgrade in 2003, demonstrating its resilience over decades of service.

There are four 811 Series clocks installed on Air Force One aircraft SAM 26000 and SAM 27000. The SAM 27000 served as the primary aircraft for seven U.S. Presidents: Richard Nixon, Gerald Ford, Jimmy Carter, Ronald Reagan, George H.W. Bush, Bill Clinton, and George W. Bush.

In 1975, Pilot Magazine celebrated Davtron's contribution to aviation, highlighting the 811 Series clock's advanced features and reliability. With each glance at the 811 Series Aviators Desk Clock, you will not only read the most accurate time, but also be reminded of a significant chapter in aviation history.

AIR FORCE ONE COLLECTION:

A Tribute to History and Legacy

Explore Past Designs: Inspiration Awaits

These Exclusive Options Available at AviatorsDeskClock.com



Vector Line Trace for Air Force One

Vector Artwork for Air Force One

Customize Your Legacy Piece at AviatorsDeskClock.com

Limited Availability

DAVTRON

Trusted by Pilots for Over 50 Years

CLASSIC 4-PIECE INSTRUMENT COASTER SET

TRINTEC INDUSTRIES INC
EDMO# 9075
MFR# 9075



These classic instrument coasters are made with a tough polystyrene frame, a black rubber anti-skid base, and closely resemble primary cockpit instruments.

- Set of four coasters
- 3.375 x 3.357 inches

MODERN 4-PIECE SQUARE INSTRUMENT COASTER SET

TRINTEC INDUSTRIES INC
EDMO# 9099
MFR# 9099



These modern round coasters are made of clear acrylic and have four rubber feet on the underside, ensuring stability and avoiding surface damage.

- Set of four, square coasters
- 3.375 x 3.375 inches

MODERN 6-PIECE INSTRUMENT INSPIRED COASTERS SET

TRINTEC INDUSTRIES INC
EDMO# 9085
MFR# 9085



These modern instrument coasters are inspired to mimic the appearance of cockpit instruments. These coasters are made of a tough polystyrene frame and a black rubber anti-skid base.

- Set of six instrument coasters
- 3.375 x 3.375 inches

MAGNETS

CLASSIC FRIDGE MAGNETS

TRINTEC INDUSTRIES INC



FM60 FM61 FM62 FM63 FM64 FM65

Designed to look like primary cockpit flight instruments, these fun magnets will make excellent gifts for aviators and aviation mechanics. They are two inches square, made with molded ABS, and come with a scratch-resistant lens.

EDMO#	MFR#	STYLE	INSTRUMENT
FM60	FM60	Classic	Altimeter
FM61	FM61	Classic	Airspeed Indicator
FM62	FM62	Classic	Direction Gyro
FM63	FM63	Classic	Artificial Horizon
FM64	FM64	Classic	VOR
FM65	FM65	Classic	HSI

KEYCHAINS

FLIGHT INSTRUMENT KEYCHAIN

TRINTEC INDUSTRIES INC



Left to right: KC60, KC62, KC63, KC64, KC65, KC61, KC-HOR, KC-HSI

These keychain dials are made to mimic classic, primary cockpit flight instruments. Each keychain is made of scratch-resistant ABS, measuring 1.5 inches square, has an acrylic lens, and has its graphic printed on both sides.

EDMO#	MFR#	STYLE	INSTRUMENT
KC60	KC60	Classic	Altimeter
KC62	KC62	Classic	Directional Gyro
KC63	KC63	Classic	Artificial Horizon
KC64	KC64	Classic	VOR
KC65	KC65	Classic	HSI
KC61	KC61	Square	Airspeed
KC-HOR	KC-HOR	Square	EFIS
KC-HSI	KC-HSI	Square	HSI

P-40 BOTTLE OPENER KEYCHAIN

EDMO# P-40/BO
MFR# P-40/BO



Inspired by the P-40 Warhawk fighter plane, this bottle opener can be conveniently carried on your keychain and be ready for use after a day of flying.

SLOGAN KEYCHAINS

BORN AVIATION PRODUCTS INC



These six-inch keychains are made from extremely strong nylon webbing fabric and printed with popular aviation slogans.

EDMO#	MFR#	DESCRIPTION
5071	KC-IF	"I Love Flying"
5072	KC-IR	"I'd Rather be Flying"
5070CHAIN	KC-ERM	"Remove Before Flight"

SOLITAIRE MAGLITE KEYCHAIN

MAG INSTRUMENTS INC
EDMO# K3A016
MFR# 120-000-808



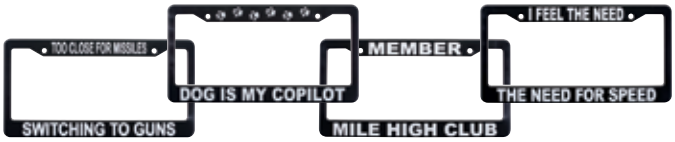
This keychain-sized flashlight features the classic look of the original Solitaire flashlight. The built-in key lanyard is long enough to use a key and the beam at the same time. The beam width adjusts with an easy turn from spotlight to flood. It's compact and tough enough to tumble around in a pocket, briefcase, backpack, or handbag.

- Rugged, machined aluminum construction with a knurled design for a better grip
- Water- and shock-resistant

Weight:	0.85 oz
Dimensions:	3.25 x 0.5 x 0.5 in
Max light output:	2 lumens
Max beam distance:	20 meters
Average run time:	3 hours, 45 min
Batteries	one (1) AAA battery

LICENSE PLATE FRAMES

WINGS AVIATION LLC



High-quality, molded black plastic frame with white lettering. 6.25 x 12.25 inches.

EDMO#	MFR#	DESCRIPTION
FRAME-1	FRAME-1	"Too Close for Missiles, Switching to Guns"
FRAME-2	FRAME-2	"Dog is My Copilot"
FRAME-3	FRAME-3	"Member Mile High Club"
FRAME-5	FRAME-5	"I Feel the Need, the Need for Speed"

I LOVE FLYING BUMPER STICKER

EDMO# 5065
MFR# 5065



This "I love Flying" bumper sticker is silk-screened on a pressure-sensitive vinyl. It is durable yet easily removable. 3 x 12.5 inches.

LICENSE PLATES & FRAMES

LICENSE PLATE FRAMES

DIXIE SEAL & STAMP CO, INC

High-quality, stamped aluminum license plates with colored finished enamel. 6 x 2 inches.



5370

EDMO#	MFR#	DESCRIPTION	COLOR
5370	30395	"FLY"	White on black

LICENSE PLATE FRAMES

JAYDIE



High-quality, stamped chrome license plate frames finished with white lettering on blue-colored enamel. 6.25 x 12.25 inches.

EDMO#	MFR#	DESCRIPTION
48-323/322	5355	"I'd Rather be Flying"
5246/5251	52-46/52-51	"I'd Rather be Flying my CESSNA"
5248/5251	5248/5251	"I'd Rather be Flying my PIPER"
D139445251	D139445251	"I'd Rather be Flying my BEECHCRAFT"
J9K-176	J9K-179	"My Other Car is an AIRPLANE"

TOYS

WWII GLIDERS

EDMO# 5/9
MFR# IN-5/9



Styrofoam gliders made to represent classic WWII aircraft. Sold in packages of 48.

PROPWASH BEAR

BORN AVIATION PRODUCTS INC
EDMO# SA-PROP
MFR# SA-PROP



The Propwash Bear is an exceptionally dapper plush toy dressed in miniature aviation garb—complete with a bomber jacket, removable goggles, and a scarf adorned with his name. This cream-colored bear is 14 inches tall.

WORLD WAR II POSTER PLAYING CARDS

USGA
EDMO# WWP54
MFR# WWP54



Nostalgia buffs and collectors of WWII memorabilia will be intrigued by these color reproductions of vintage posters from 1939 to 1945. Each card contains a different poster printed to publicize wartime efforts, which include war bonds, women's support groups, and patriotic public reminders.

ELT REPROGRAMMING

EDMO utilizes factory trained personnel to reprogram your ELT, dongle, or program adapter to a country approved Cospas-Sarsat protocol.

To start your ELT reprogramming, log in to your EDMO account, visit *www.edmo.com/services/elt-reprogramming,* and select the reprogramming button at the bottom of the page to be directed to the Reprogramming product page (EDMO# REPROGRAM) where you can add ELT reprogramming to your shopping cart. Once in the cart, you can add your ELT's manufacturer and model to ensure the ELT is properly registered.



EDMO has a team of skilled & trained associates to individually program your ELT, dongle, or program adapter, ensuring accuracy and time-efficient delivery.

For questions or manual reprogramming submissions please contact our customer service at (800)235-3300.



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