

Trig TN72 – GPS Position Source, affordable ADS-B for your Trig transponder

The highly affordable TN72 GPS Position Source is the best way for light-sport, experimental and homebuilt aircraft to meet the 2020 ADS-B mandate. When used in combination with a TT22 transponder the TN72 meets FAR 91.227 allowing flight in 2020 rule airspace.

When flying in busy skies a TN72 will reduce your risk of collision and improve your flight safety, it will also trigger a full traffic service from ADS-B ground stations (when ADS-B In is used).

Features

- Simple ADS-B Out upgrade to Trig transponders
- Suitable for experimental, light-sport and homebuilt aircraft
- Ideal for experimental gliders – allowing flight in 2020 rule airspace
- Enables live tracking of aircraft (with suitable ADS-B In equipment)
- Triggers traffic information services (TIS-B only available in U.S.)
- Two year warranty from date of install, U.S. based technical support

When using a TN72 there are two different ways to set up your Trig transponder - the TN72 hardware however is the same in either installation.

TN72 GPS - X configuration uses SIL 3 in the transponder settings, and fully satisfies the technical requirements of FAR 91.227 for 2020 compliance. Light-sport, experimental and homebuilt pilots who have fitted a TN72 are now flying **inside** ADS-B airspace and have passed FAA compliance checks with flying colours.

TN72 GPS - TABS (Traffic Aircraft Beacon System) configuration uses SIL 1 in the transponder settings. TABS is the FAA technical standard that enables voluntary equipage of ADS-B Out. The TN72 using TABS is ideal for certified gliders and Part 23 aircraft, operating **outside** of U.S. 2020 rule ADS-B airspace as a means of enhancing visibility and triggering traffic.

Specification	TN72 GPS Receiver
Type	TABS GNSS
Certification	TSO-C199 Class B
Compliance	DO-160G
Supply voltage (DC)	11 – 33 V
Typical consumption (at 14v)	at 14V – 0.1A
Operating temperature	-40°C to + 70°C
Cooling requirement	No fan required
Weight	110 grams / 3.8 ounces

Connector	GPS (power, ground and GPS data) – 9 way D type Antenna – 5V phantom power – QMA male
Dimensions (inches)	H 1.2” x L 3.6” x W 2.5” (W with base flange 3.2”)