

# TN72 TABS GPS POSITION SOURCE



## 5 reasons to buy

- Use with a Trig transponder for ADS-B Out
- ADS-B Out - enhances visibility and safety
- Certified to TSO-C199
- Visible to all ADS-B In devices
- Great value, compact and light weight

## The affordable position source for your Trig transponder

Being visible in busy skies and avoiding collision is a growing concern for pilots. Fitting a TN72 TABS GPS is an affordable way to make you ADS-B Out equipped and reduce the risk of air to air collision.

A Trig TN72, TABS (Traffic Awareness Beacon System) works in combination with a Trig transponder – providing accurate airspace reporting and surveillance. Automatic Dependant Surveillance Broadcast (ADS-B) technology is built into every Trig transponder and meets the latest certification standard FAA TSO-C166b. ADS-B is the next generation of airspace surveillance, where aircraft positional data is shared directly with other aircraft.

## TN72 TABS GPS – visible to other traffic

Trig's certified TN72 TABS GPS ensures you will be visible to all ADS-B In equipped aircraft.

Using lower grade uncertified GPS equipment, instead of a TN72 TABS GPS should be avoided as this may result in your aircraft not being visible on popular ADS-B In traffic displays. Don't compromise your safety, using a certified TN72 TABS GPS means you can fly with confidence.

# TRIG

## Installing a TN72 TABS GPS

The TN72 GPS is a blind unit, it can be fixed away from the panel, saving space and causing no disruption to other avionics. The small hardware box weighs only 110g, so finding installation space is not a problem even in the tightest cockpit. Every Trig product is 'Better by Design' and the TN72 TABS GPS is no exception. It provides accurate position reporting whilst being so energy efficient that it can be powered from a battery.

## The complete ADS-B Out solution

For your Trig ADS-B Out solution you will need;

- Transponder - TT21, TT22 or TT31 - certified to TSO-C166b - Mode S and ADS-B capable
- GPS Position Source - TN72 TABS GPS providing positional data to the transponder
- GPS Antenna - TA70 - certified antenna for dependable performance or equivalent GPS antenna.

If you already own a TT21 or TT22 compact transponder or TT31 stack transponder then a TN72 TABS GPS and a TA70 GPS antenna is a logical upgrade. Depending upon the age of your Trig transponder you may require a software update from your Approved Trig Dealer.

All Trig transponders use 1090ES technology which meets ICAO International Standards and can be used world-wide.

## TN72 TABS GPS – track flight progress

Using a TN72 TABS GPS provides visibility of where your club or fleet aircraft are operating.

Flying with friends or attending a fly-in? A TN72 TABS GPS is great for group flying – by using suitable equipment you can see your 'wingman' on a tablet or mobile app. Now you can track flight progress and manage your trip in striking detail.

## The TA70 – matching WAAS GPS antenna

The TA70 is the companion GPS antenna, for the TN72 TABS GPS. Light and easy to install, it has a superior gasket seal that offers full coverage of existing antenna holes. This provides a secure and water tight fit. Installing a TA70 is the logical choice for customers looking for a proven ADS-B package. If however, a conventional antenna is not an option, then the TN72 TABS GPS can be paired with a wide range of suitable alternative GPS antennas, as defined in the TN72 TABS GPS Installation Manual.

### Trig Support

Trig provides a two year worldwide warranty on all our products through our Approved Trig Dealer network.

### How to buy

You can purchase Trig products through our Approved Trig Dealer network. To find your closest dealer visit [www.trig-avionics.com](http://www.trig-avionics.com)

**TN72 – GPS Receiver**

TN72 – GPS Receiver	
Type	TABS GNSS
Certification	TSO-C199 Class B
Compliance	C112e, C166b, DO-160G
Supply voltage (DC)	11 – 33 V
Typical current consumption	at 14V – 0.1A
Operating temperature	-40°C to + 70°C
Cooling requirement	No fan required
Interface protocol	Extended NMEA
Weight	110g
Connector	GPS (power, ground and GPS data) - 9 way D type
Antenna	5V phantom power – QMA male
Unit dimensions	H 30 x L 90 x W 63mm (W with base flange 80mm)



### Trig Avionics Limited

Heriot Watt Research Park, Edinburgh EH14 4AP, UK

**Tel:** +44 (0)131 449 8810 [enquiries@trig-avionics.com](mailto:enquiries@trig-avionics.com)

**Fax:** +44 (0)131 449 8811 [www.trig-avionics.com](http://www.trig-avionics.com)