TN72 TABS GPS POSITION SOURCE

5 reasons to buy

- Certified to FAA TSO-C199 TABS
- Ideal for voluntary ADS-B equipage
- ADS-B Out - enhances visibility and safety
- Visible to all ADS-B In devices
- Great value, compact and light weight

The ideal ADS-B position source for your Trig transponder

Sailplane pilots now have a dedicated ADS-B Out solution that's tailor-made for voluntary equipage. Trig's new TN72 TABS GPS is certified to TSO-C199, the FAA's technical standard designed specifically for ADS-B Out equipage in sailplanes. Fitting a TN72 TABS GPS with a Trig transponder significantly improves your visibility and enhances safety.

A Trig TN72 TABS GPS works in combination with a Trig transponder, providing real time airspace reporting and surveillance. Automatic Dependant Surveillance Broadcast (ADS-B) technology is built into every Trig transponder and meets FAA certification TSO-C166b.

Whilst ADS-B is optional for sailplanes, equipping is a smart move. Fitting a TN72 TABS GPS means your location is shared directly with other ADS-B In equipped aircraft. By 2020 the majority of GA and all commercial aircraft will be equipped. A modest investment today will make you visible to all - for your own safety and the safety of others it makes sense to equip.

With a traffic receiver you will be able to receive a real time display of other aircraft in your vicinity. A TN72 TABS GPS and a Trig transponder will trigger a full ADS-B In traffic service from FAA ground stations to your ADS-B In device. You can fly with confidence as the TN72 TABS GPS is certified and visible to all ADS-B In equipped aircraft.

TRIG

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TN72 TABS GPS visible beyond FLARM

Many soaring pilots fly with FLARM - however this traffic technology is only commonplace in sailplanes. Fitting Trig is complimentary to FLARM, but provides a longer range and more robust level of visibility to all commercial and GA traffic.

The complete ADS-B Out solution

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

- Transponder - TT21, TT22 or TT31 - certified devices and ADS-B Out capable.
- GPS Position Source - TN72 TABS GPS supplies vital positional data to the transponder.
- GPS Antenna - TA70 - certified antenna for dependable performance.

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 the logical upgrade. Depending upon the age of your Trig transponder you may require a software update from your Approved Trig Dealer.

If you wish to meet the requirements of FAA FAR 91.227, you will require the installation of a TSO-C145 GPS Position Source - such as our TN70 kit.

Getting Equipped

The TN72 TABS 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 3.8 ounces, so finding installation space in a tight sailplane cockpit is not a problem. Every Trig product is 'Better by Design' and the TN72 TABS GPS is no exception. It provides accurate position reporting whilst being energy efficient and can be powered from a battery.

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 watertight fit. Installing a TA70 is the logical choice for customers looking for a proven package. If, however a conventional antenna is not an option, 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.

Support

We provide a two year worldwide warranty through our Approved Trig Dealer network.

How to buy

You can purchase Trig products through our Approved Trig Dealer network in North America. To find your closest dealer visit **www.trig-avionics.com**

	TN72 – GPS Receiver
Type	TABS GNSS
Certification	TSO-C199 Class B
Compliance	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	3.8 ounces
Connector	GPS (power, ground and GPS data) - 9 way D type Antenna - 5V phantom power – QMA male
Unit Dimensions	H 1.2" x L 3.6" x W 2.5" (W with base flange 3.2")

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