

THE TT22 1090ES ADS-B OUT TRANSPONDER



5 reasons to buy

- Compact and easy installation
- Fits in the tightest panel space
- Low power consumption
- Low weight
- 2020 ADS-B, FAA TSO approved, mandate ready today!

All good things come in small packages; this makes the TT22 the outright winner.

The TT22 is the world's smallest general aviation transponder, ideally suited for use in light sport, gliders and GA aircraft where panel space is at a premium. The TT22 has a nominal power output of 250 watts, this makes it suitable for the majority of GA aircraft including those that operate above 15,000 feet and/or airspeed over 175 knots.

Our transponder is a highly compact two part solution with a separate control head and transponder box, making it an attractive option for pilots looking for a combined transponder and ADS-B solution. Pilots around the world have selected the TT22 due to its ease of installation, superior features and Trig's excellent product support.

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2020 ADS-B Compliance Today

As a fully capable 1090 MHz Extended Squitter ADS-B Out transponder, the TT22 is the first transponder in the world that's TSO approved by the FAA to C166b. This makes the TT22 compliant with the latest ADS-B requirements and ensures it is fit for the future.

The TT22 also provides data link support for TIS traffic. Linked to a suitable display it can show TIS position information and aircraft traffic which is broadcast from TIS ground stations (where available).

The TT22 – smart and small.

The control head fits into a 2 1/4" round hole, or in a smaller compact mount hole. The separate transponder hardware can be mounted anywhere within the airframe. The complete system weighs less than 16 ounces, and can easily be powered by battery. The control head has a built in altitude encoder, further simplifying installation. When mounted in the instrument panel the depth of the control head is less than 2 inches, and when connected to a wiring harness it's still less than 3 1/2" deep.

In use the TT22 is simple to operate, with a positive control knob and push buttons for Squawk code and Flight ID input. The LCD display is bright and back lit, making it easy to read. The transponder controller is splash proof, so it's suitable for use in open cockpit flying and ultra-lights. A quick release latch secures the main hardware unit to the included mounting tray, allowing easy removal if required.

The TT22 transponder – the light weight class leader

- The TT22 give you class leading Mode S, TIS and 1090ES ADS-B Out capability; it provides a compact, energy efficient and high performance solution that is fully certified.
- The ideal basis for building your aircraft's ADS-B system. To receive a full ADS-B In service you must first have a certified ADS-B Out signal, the TT22 generates a compliant 1090ES ADS-B Out.
- Fitting a TT22 Mode S transponder increases your visibility to other airspace users, enhancing your flight safety.

Support

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

How to buy

We always recommend that you buy your Trig products through an Approved Trig Dealer. To find a dealer go to www.trig-avionics.com



	TT22 – 1090ES ADS-B Out Transponder
Type	Transponder Class 1 Mode S level 2els. ADS-B Class B1S
Certification	ETSO C88A, C112C, C166A and TSO C88b, C112c, C166b
Compliance	ED-73C, DO-160F, DO-178B Level B, DO-254 Level C, DO-260B, DO-181D
Supply voltage (DC)	9-33 V
Typical Consumption (at 14 V)	idle: 0.15A, active: 0.34 A
Nominal Transmitter Power	250 W at connector
Operating temperature	for the transponder -40°C to +70°C for the controller -25°C to +70°C
Cooling Requirement	no fan required
Weight	0.8 lbs
Dimensions	controller: H 1.8 x W 2.4 x L 2.1 inches transponder in tray H 1.8 x W 2.6 X L 6.2 inches



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