THE TT21 AND TT22 MODE S TRANSPONDER

5 reasons to buy

- Smallest GA Mode S transponder
- Compact, fits in the tightest panel space
- Can be battery operated
- Built in altitude encoder
- 1090ES ADS-B Out

All good things come in small packages and this makes the TT21 and TT22 outright winners!

The TT21 and TT22 are the world's smallest general aviation Mode S transponders, ideally suited for use in light sport, gliders and GA aircraft where panel space is at a premium. The TT21 and TT22 are fully approved by EASA and the FAA, for both IFR and VFR use.

The TT21 and TT22 - smart and small

Both the TT21 and TT22 transponders are physically identical, a two part solution, with a separate control head and transponder box. The control head fits into a 57mm round hole, with the option of using a smaller compact mount hole. When fitted the depth of the controller is only 54mm, and connected to a wiring harness the depth is still only 85mm. The separate transponder box can be mounted anywhere within the airframe.

TRIG

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The complete system weighs less than 450 grams and is easily powered by an aircraft battery. Both transponders have an in-built altitude encoder saving space and simplifying installation.

The TT21 has a nominal power output of 130 watts, whilst the TT22 has a power output of 250 watts. The TT22 is designed for high altitude and high performance aircraft operating above 15,000 feet and/or airspeed over 175 knots. The TT21 is popular amongst light sport, glider, balloon and foot launched pilots providing one of the most affordable ways to install Mode S.

In use the TT21 and TT22 are 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 in flight. The transponder controller is splash proof making it suitable for use in open cockpit flying and ultra-light aircraft. A quick release latch secures the main hardware unit to the included mounting tray, allowing easy removal if required.

The TT21 and TT22 transponders – the light weight class leaders

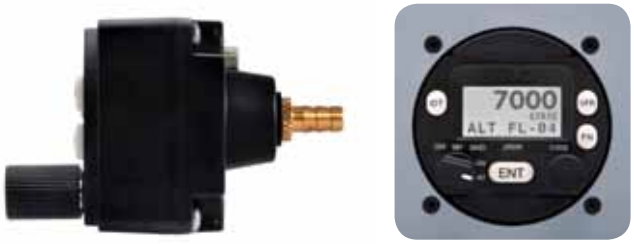
- The TT21 and TT22 give you class leading Mode S and 1090ES ADS-B Out capability; they're compact, energy efficient and high performance solutions that are fully certified.
- Trig Mode S transponders provide air traffic control with accurate aircraft position data. This makes negotiation of controlled airspace more certain, and can significantly reduce the amount of communication required with air traffic controllers.
- Fitting a TT21 or 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**



	TT21 – Mode S for light aviation	TT22 – Mode S for high performance aircraft
Type	Transponder Class 2 Mode S level 2els ADS-B Class B0	Transponder Class 1 Mode S level 2els ADS-B Class B1S
Certification	ETSO C88A, C112C, C166A and TSO C88b, C112c, C166b, approved for IFR and VFR flight	
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: 0.15 A active: 0.28 A	idle: 0.15A active: 0.34 A
Nominal Transmitter Power	130 W at connector	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	440g	
Dimensions	controller: H 44 x W 63 x L 54 mm transponder in tray: H 48 x W 68 x L 160 mm	

Trig Avionics Limited
Heriot Watt Research Park, Edinburgh EH14 4AP, UK
Tel: +44 (0)131 449 8810 enquiries@trig-avionics.com
Fax: +44 (0)131 449 8811 www.trig-avionics.com