COMPACT TRANSPONDERS









TT21 AND TT22 TRANSPONDERS

Chosen by pilots around the world Trig's compact transponders are the be

Fitting in the tightest panel space the innovative design saves weight and space. Trig is 'better by design,'with Mode S technolog that makes you visible to commercial, military and GA traffic, as a result transiting busy airspace becomes more predictable an extraction of the properties of GADS-flutther enhances your visibility and flight safety Unlike other brands Trig transponders are future proof too – the growing use of ADS-flutther enhances your visibility and flight safety Unlike other brands Trig transponders meet the very latest certification standard for ADS-fl, FAA TSO-C166b.

Designed to be easier to use, with a clear bright display the controller even comes with a built in altitude er pilots who have made Trig their compact transponder of choice – you'll be in great company.

ved Trig Dealer to order your co

FEATURES

- Compact form factor takes minimal panel space, fits in a compact or standard 5
 Minimal depth create space on your panel for other avionics.
 Interprated attitude encoder
 Certified for IFR / VFR (light)
 Manual dimming feature flagistable backlight)
 Low power consumption
 Low power consumption
 FASA RTSO and RAT ISO Certification includes TSO-C166b the latest ADS-8 sta
 Free European Minor Change approvals
 Free FAA ADS ST for 575 directify types
 Unibeatable value and quality designed and manufactured in the U.K.

PRODUCT DESIGN
Trig's compact transponder is in two parts with a compact control head; this includes an inbuilt altitude encoder – sawing further space and expense. A separate hardware box can be installed anywhere in the airframe. The mounted control head is only 54mm (2.3725) deep and can be fitted in panel using a \$7mm (2.47 round hole or smaller compact mount – the unit ships with the necessary fittings for both install options. Our compact transponders are highly efficient, whilst used in a wide range of GA types they are ideally suited for use in glider and habilisions, its an auxiliary battery.

POWER OUTPUT AND ADS-8
Trig's TT21 has a 130 watts nominal power output, making it a class 2 transponder that meets international standards for 1090ES
ADS-8 Dut TISO C.166b). The TT21 is ideal for use in flight where a light weight Mode 5 solution is required and is suitable for
both IRF and VFR use.

COMPATIBLE TRIG PRODUCTS

CUMPAIRER IN TRUDUCLY

ADS-8 enhances safety and visibility – your investment in a TT22 transponder is future proof. Trig has a matching certified GPS position source that is highly affordable called the TN72. This is ideal for ADS-8 voluntary equipage and the TN72 can even be used to meet the 2020 mandate by light-sport, experimental and homebuilt types in the U.S.

Our TN70 GPS position source is suitable for certified Part 23 aircraft that need a TSO-C145 position source, for operations in 2020 rule ADS-B airspace using a TT22 transponder.

Product Model	Туре	Meets TSO- C166b	Suitable for 2020 ADS-B rule airspace (US)	Transmitter Output	Sales Part Number
TT21	Class 2 Mode – S and 1090ES ADS-B Out capable	Yes	No – FAR 91.227 requires a Class 1 device – select the TT22.	130 W at connector	00710-00
TT22	Class 1 Mode – S and 1090ES ADS-B Out capable	Yes	Yes	250 W at connector	00772-00

Specification	TT21 Transponder	TT22 Transponder			
Туре	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 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 14v)	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 (hardware back box)	440g / 0.8 lbs				
Weight (TC20 control head)	90g / 0.11 lbs				
Dimensions (mm)	controller: H 44 x transponder in tray: H	x W 63 x L 54 mm 48 x W 68 x L 160 mm			
Dimensions (inches)	controller: H 1.8 x V transponder in tray: H 1.				

