TRIG TN70 – THE SMART ADS-B OUT SOLUTION

5 reasons to buy

- ADS-B 1090ES Out - International Standard
- Companion product for Trig Mode S / ADS-B transponders
- Proven package – best value and performance
- FAA STC for popular aircraft types
- Worldwide Trig Support

Benefits of a Trig ADS-B solution

Trig produces smart, affordable and future proof avionics. If you're an aircraft owner looking for an affordable ADS-B Out solution with superior performance then Trig has the right ADS-B solution to get you equipped today.

If you already own a suitable Trig transponder then our TN70 kit is the easiest way to meet the mandate. The TN70 includes a certified WAAS GPS and companion WAAS GPS antenna, designed to enhance your aircraft via a simple install that will deliver excellent ADS-B Out performance.

If you need a Trig transponder to complete your TN70 ADS-B solution, then simply add one of our class leading products certified to FAA TSO C166b, the latest ADS-B standard.

A Trig transponder is the hub of an ADS-B Out system, using 'extended squitter' to communicate with ground stations and suitably equipped aircraft. It's worth remembering; if you intend to use ADS-B In to access ADS-B ground services (TIS-B and FIS-B) then a compliant ADS-B Out must be installed. A Trig transponder is an ideal way to ensure your ADS-B Out is compliant.

Trig transponders use 1090ES technology - the ICAO 'International Standard.' A Trig system not only gives freedom to travel but it also has superior capabilities, 1090ES is required above 18,000 feet so it's suitable for use in a wider range of aircraft types than UAT.

TRIG

www.trig-avionics.com

TN70 - optimal performance with TT31 and TT22 transponders

Trig leads the field in providing a faster install with lower associated costs. The TT31 transponder is the ideal retro-fit for the KT76A and KT78A and has industry leading flexibility when installing ADS-B, enjoying the widest compatibility with third party avionics. Our TT22 transponder is the compact alternative best suited to aircraft owners with limited panel space. The separate control head with built in altitude encoder takes up minimal space and weight.

TN70 – WAAS GPS and WAAS antenna

A compliant ADS-B Out demands a certified position source that is totally dependable. The TN70 takes no panel space, it is fitted discretely as a stand-alone GPS so you can retain and use your existing panel equipment. The TN70 is paired with a high quality certified WAAS antenna optimised for our complete solution.

Trig's STC Partner

Trig has an established STC program and U.S. based FAA certification partner, Peregrine of Denver. Certified aircraft owners who buy a TN70 should get in touch with Peregrine who can provide an aircraft STC and register the installation. **www.peregrine.aero**

Making your install affordable

Trig is a partner with the NextGen ADS-B Fund. This is a general aviation loan initiative designed to cover the cost of both your ADS-B hardware purchase and install costs, making it even easier to become compliant. For more details go to **www.nextgenfund.com**

NextGen GA Fund
A PPP for General Aviation

Support

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

How to buy

We always recommend that you buy your Trig products through an Approved Trig Dealer. Further information can be found at **www.trig-avionics.com**

	TN70 – WAAS GPS	TN70 Antenna	TT31 Transponder	TT22 Transponder
Type	GNSSU/GPS SBAS/WAAS	ARINC 743A WAAS GPS antenna	Class 1 Mode S Level 2 els ADS-B Class B1S	Class 1 Mode S level 2 els ADS-B Class B1S
Certification	TSO-C145c Beta 1 Receiver	TSO C190	ETSO C166a, 2C112B TSO C112, C166b	ETSO C112c, C166a TSO C112c, C166b ETSO C88a, TSO C88b
Compliance	DO-229D DO-178B level C DO-254 level C DO-160F	DO-301 DO-160	DO-181C, ED-73B DO-260B Class B1S DO-178B level B DO-254 level C DO-160E	DO-181D, ED-73C DO-260B Class B1S DO-178B level B DO-254 level C DO-160F
Supply voltage (DC)	9-32 Volts	N/A	10-33 Volts	9-33 Volts
Typical consumption @14 v	Typical: 0.2A Max: 0.3A	N/A	Idle: 0.22A Active: 0.45A	Idle: 0.15A Active: 0.34A
Nominal transmitter power	N/A	N/A	240W at connector	250W at connector
Operating temperature	-55°C to +70°C	-55°C to +70°C	-20°C to +70°C	Transponder - 40°C to +70°C Controller - 25°C to +70°C
Cooling	No fan required	N/A	No fan required	No fan required
Weight	1.06 lbs	0.62 lbs.	2.8 lbs	0.8 lbs
Dimensions H x W x L - inches	1.6" x 4.13" x 6.5"	0.73" x 3.0" x 4.7"	1.57" x 6.30" x 9.4"	Transponder 1.8" x 2.6" x 6.2" Controller 1.8" x 2.4" x 2.1"

TRIG

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