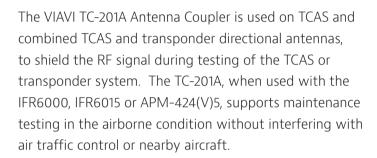
Brochure

VIAVI TC-201A

TCAS/Transponder Antenna Coupler

A combined TCAS and transponder directional antenna coupler for the avionics maintenance industry.







Features

- Accommodates both phase and amplitude type antennas
- Reliable, FAR Part 43, Appendix F, ERP and MTL testing in high multi-path environments
- Provides >20 dB of isolation
- Provides proper shielding for all transponder and ADS-B performance testing
- Lower antenna adjustable support pole
- Perform four-quadrant testing by simply rotating the bearing selector dial
- TCAS bearing accuracy < 10 degrees

Benefits

- Eliminates interference with air traffic control and nearby aircraft
- High level of measurement repeatability is achieved, saving test time
- Tests all quadrants of directional TCAS or TCAS/Transponder antennas
- No need to achieve line-of-sight with the antenna under test
- Eliminates the need for DD-1494 Frequency Authorization
- Universal design allows coupler to be used with any suitable TCAS/transponder test set

General Specification

Frequency	1030 MHz, 1090 MHz
Return Loss	> 9 dB
Insertion Loss	15.5 dB typical
Repeatability	< 1 dB
Isolation	> 20 dB
Bearing Accuracy	±18° max, < ±10° typical
Connector	TNC female

Physical Characteristics

Size.	
Coupler only	19 in. diameter (48.26 cm)
Kit with transit case	24.81 x 24.98 x 14.15 in. (63 x 63.45 x 35.94 cm)
Weight: Coupler only	11 lbs. (4.9 kg)
Kit with transit case	41 lbs. (18.6 kg)

Order Information

Versions and Options

Order Number | Description

140889	TCAS/Transponder Antenna Coupler Kit		
Kit Contents			
22130799	TC-201A Antenna Coupler		
142743	Transit Case		
142839	Coax TNC, 50'		
92863	Attenuator, 30 dB		
22136337	User Guide		

Optional Accessories

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142742	Support Pole





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To reach the VIAVI office nearest you, visit viavisolutions.com/contact.

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