

IFR6000

Transponder/DME Ramp Test Set

Test Modes A/C/S, 1090 MHz ADS-B and 978 MHz UAT, TCAS I and II, and DME

The most important thing we build is trust

COBHAM



IFR6000

Features an extremely easy to use interface where every parameter the user commonly needs to view is displayed on screen



Features

- Individual test modes: Mode S, ATCRBS Transponder, DME, TCAS, TIS, ADS-B MON/ ADS-B GEN (DO-260A/B), 978MHz UAT
- Battery operation 6 hours plus between charges
- Fully FAR part 43 appendix F compliant
- Transponder Auto-Test
- Data dump of transponder test results to PC
- Transponder level automatically determined and capability checked to avoid nuisance Auto-Test failures
- Comprehensive GICB test
- Configuration files for different classes of transponder
- Comprehensively tests any DME channel including track sensitivity
- User selectable TCAS scenarios
- TCAS fast scenario feature uses Auto Altitude and Converge to ensure automatic collision at zero range
- Parametric measurements including TX power and frequency
- Software updates via web site download
- Optional ADS-B capabilities are DO-260A/B compliant
- Optional TCAS and 978 MHz UAT capability
- Isolated testing using optional UC-584 Coupler



Applications

- Verification of operation and installation of Mode S ATCRBS transponders and ADS-B DF17 extended squitter transponders or 1090 MHz DF18 extended squitter emitters (ADS-B MON)
- Verification of operation ADS-B DF17/DF18 receivers (ADS-B GEN)
- Verification of operation and installation of 978Mhz UAT systems
- Elementary and Enhanced Surveillance DAPs
- DME interrogators, TIS systems, and TCAS I or TCAS II systems



Radiated Testing:
The IFR6000 is supplied with a lightweight fully sealed directional antenna that may be test set mounted, hand held or tripod mounted.

Direct Connect Testing:
The IFR6000 may be directly connected to the UUT via a supplied RF coax cable via the RF I/O port.

See Product Specification Sheet for a more detailed specification.

Physical Characteristics

Size:	
Test set only	11.2"H x 9.1"W x 2.7"D 28.4 cm x 23.1 cm x 6.8 cm
w/ standard access.	24" H x 21" W x 12" D 61 cm x 53.3 cm x 30.4 cm
Weight:	8 lbs., 3.6 kg (test set only) 34 lbs., 15.4 kg (shipping weight)

Environmental

Operating Temp:	-20°C to 55°C
Storage Temp:	-30°C to 71°C

Test Set Certifications

- MIL-PRF-28800F, Class 2
- MIL-STD-810F
- UL
- EN
- CE

For complete certification list, see Product Specification Sheet

VERSIONS, OPTIONS AND ACCESSORIES

Order Number	Description
72422	IFR6000 Transponder/DME Test Set NSN: 6625-01-069-5582 NSN: 6625-01-529-1369 (220V) NSN: 6625-01-561-7078 (w/ Options 2 & 3) NSN: 6625-01-567-5667 (220V w/ Options 2 & 3)
83410	6000OPT2 TCAS (TIS)
83411	6000OPT3 ADS-B 1090 MHz
112795*	6000OPT5 UAT 978 MHz
113153*	6000OPT5 UAT 978 MHz (for fielded units)
140609*	6000OPT6 ADS-B Integrity Test Option (see ADS-B INTEGRITY Test App data sheet for more information)

*Includes cables and accessories

Standard Accessories

10241	Transit case
62302	Power cord, 110 V
64020	Power cord set, 220 V
62401	TNC/TNC COAX, 12 in.
112830	TNC/TNC COAX, 72 in.
56080	Fuse, 5 Amp, 32 V
112684	Antenna
64749	Antenna shield
64580	Breakout box

67366	Power supply
6096	Getting Started Manual
6093	Operation Manual - CD

Optional Accessories

63656	Desk Top Stand
67474	Tripod
82553	Tripod, Dolly, Stand
62462	25 ft TNC/TNC COAX
86336	50 ft TNC/TNC COAX
112349	UC-584 Coupler Kit, dual antenna
112350	UC-584 Coupler Kit, single antenna
6095	IFR 6000 Maint. Manual - CD

Extended Warranty (2 year standard)

84366	36 months with scheduled calibration
84368	60 months with scheduled calibration

For further information please contact:

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