



# 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 More Information:



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Part No. 1005DS, Issue 7, 11/17

