

# IFR 6000

## 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



# IFR 6000

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
- Large keys for gloved operation
- Simple user interface
- Lightweight and compact at 8 lbs.
- 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
- Elementary and Enhanced Surveillance parameters (DAP's)
- 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
- Over-the-air or direct-connect operation
- Parametric measurements including TX power and frequency
- USB flash drive software update via web site download
- Optional ADS-B capabilities are DO-260A/B compliant
- Optional TCAS and 978 MHz UAT capability
- Optional testing using UC-584 Coupler



## Applications

- Verification of operation and installation of Mode S of 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 IFR 6000 is supplied with a lightweight fully sealed directional antenna that may be test set mounted, hand held or tripod mounted.

### Direct Connect Testing:

The IFR 6000 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

Use:	Pollution Degree 2
Altitude:	≤4800 meters
Operating Temp:	-20°C to 55°C
Storage Temp:	-30°C to 71°C
Relative Humidity:	95% (±5%) from 5° to 30°C 75% (±5%) from 30° to 40°C 45% (±5%) from 40° to 55°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 Mode A/C/S Transponder and DME Ramp Test Set
	NSN: 6625-01-069-5582
	NSN: 6625-01-529-1369 (220V)
83410	6000OPT2 TCAS (TIS)
83411	6000OPT3 ADS-B 1090 MHz
112795	6000OPT5 UAT 978 MHz

## 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
91771	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 Maintenance Manual - CD

For further information please contact:

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