IFR 6015
Military Flightline Test Set

Test Transponder Modes 1, 2, 3/A, C, and S, DME, TCAS, ADS-B,
TIS, Military E-TCAS and TACAN Avionics Systems

The most important thing we build is trust

COBHAM

IFR 6015

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

COBHAM

Features

- Individual test modes: Transponder Modes 1, 2, 3A, C and S, DME, TCAS, E-TCAS, TIS, ADS-B MON/ ADS-B GEN, TACAN
- 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
- European Elementary and Enhanced Surveillance
- TACAN and IFF Modes 1 and 2
- Emulates preset modes of TACAN Test Sets Generic DoD, AN/ASM-663, AN/ARM-184, Bradley 2650 & 2655
- 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
- Over-the-air or direct-connect operation
- Parametric measurements including TX power and frequency
- Optional ADS-B capabilities
- 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)
- Elementary and Enhanced Surveillance DAPs
- DME and TACAN interrogators
- TIS, TCAS I or II, and E-TCAS systems

Radiated Testing:
The IFR 6015 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 6015 may be directly connected to the UUT via a supplied RF coax cable via the RF I/O port.

See Product Specification Sheet for complete 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

See Product Specification Sheet for complete certification list.

VERSIONS, OPTIONS AND ACCESSORIES

Order Number	Description
72424	IFR 6015 Mode 1,2,3A/C/S Transponder, TACAN/DME, TCAS I,II,E-TCAS, TIS Ramp Test Set
	NSNs:
	6625-01-578-4893
	6625-01-574-2423
	6625-01-601-4034*
	* Most current NSN, and is identified on unit serial tag
83411	6000OPT3 ADS-B 1090 MHz
140609	6000OPT6 ADS-B Integrity Test Option (cables included)

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
6100	Getting Started Manual
6097	Operation Manual - CD(AC0825CD)

Optional Accessories

63656	Desk Top Stand (AC0820)
67474	Tripod (AC0826)
6099	Maintenance Manual - CD
82553	Tripod, Dolly, Stand (AC24006)
86931	UC-584 Universal Transponder Antenna Coupler

Extended Warranty (2 year standard)

84373	36 months with scheduled calibration
84374	60 months with scheduled calibration

This product is subject to the Export Administration ("EAR") (15 CFR 730-774) and may not be exported, re-exported or otherwise transferred to a foreign person, or outside the United States without authorization from the U.S. Department of Commerce.

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