

# IFR4000

## Portable Nav/Comm Test Set

**COBHAM**

A compact, lightweight and weatherproof unit for testing ILS, VOR, Marker Beacon and VHF/UHF communications avionics systems

The most important thing we build is trust



# IFR4000

Equips the maintenance technician with the most portable navigational communications ramp test set on the market today



## Features

- Most portable Nav/Comm ramp tester available
- Guided Test capability cuts down total test time
- Low cost ELT option
- Frequency counter provides external frequency measurement
- Generation of ARINC 596 Selective Calling Tones
- MORSE CODE provides 1-4 characters transmitted in the VOR and ILS localizer mode
- Eight or more hours of operation before recharge
- Automatic power shut-down
- Ergonomic design

## Applications

- Support for ramp or bench environment via over-the-air or direct connection
- Measurement of VHF/UHF transmitter, frequency, output power, modulation (AM and FM and receiver sensitivity)
- Measurement of HF transmitter, frequency, output power, modulation (AM and SSB USB/LSB) receiver sensitivity
- Accurate measurement of HF/VHF/UHF antenna and or feeder SWR (Standing Wave Ratio)
- Simulation of Localizer and Glideslope (CAT I, II and III Ground Station) Signals with variable DDM settings
- Swept Localizer DDM for coupled Auto Pilot testing (Simultaneous Localizer, Glideslope and Marker signals)
- Simulation of VOR Beacon with variable bearing
- Simulation of Marker Beacon, Selectable Airways (Z), Outer and Middle Marker Tones
- Signal generation of VOR, Localizer, Glideslope and Marker Beacon
- Signal generation and monitoring of COMM AM/FM/SSB
- ILS provides simultaneous Localizer, Glideslope and Marker Beacon signals
- SELCAL decoder testing
- Monitoring of Emergency Locator Transmitter (ELT), Emergency Position Indicating Radio Beacons (EPIRB) and Personal Locator Beacons (PLB)

See Product Specification Sheet for a more detailed specification.

The IFR 4000 verifies the operation and installation of ILS, VOR and Marker Beacon receivers and VHF/ UHF AM/FM and HF AM/SSB transceivers. The menu driven functionality and guided test capability make this instrument extremely easy to use.

## Physical Characteristics

**Size:** 11.2"H x 9.1"W x 2.7"D  
(28.5 cm x 23.1 cm x 6.9 cm)

**Weight (test set only):** 8.0 lbs. (3.6 kg)



## Environmental

**Use:** Indoors

**Altitude:** ≤3,000 feet

**Temperature:** 5° C to 40° C

## Certifications

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

For complete certification list, see Product Spec Sheet

## VERSIONS, OPTIONS AND ACCESSORIES

Order Number	Description
72418	IFR 4000 Nav/Comm Ramp Test Set IFR 4000AR (U.S Military version w/ protective cover)
83402	4000OPT1 ELT (121.5/243 MHz beacon and 406 MHz COSPAS/SARSAT beacon test)

## NSN Information:

6625-01-516-4656 (IFR 4000)  
6625-01-559-2384 (IFR 4000AR)  
6625-01-553-1956 (IFR 4000 with ELT option installed)

## Standard Accessories

9140	Antenna, 75 MHz
9137	Antenna, telescoping
10238	Transit case
6081	Operation Manual (CD)
6087	Getting Started Manual
67366	AC/DC power supply
62302	Power cord, 110 V
64020	Power cord set, 220 V
62398	TNC (male) to TNC (male) coaxial cable
24140	TNC (female) shorting cap
56080	Spare fuse
24141	50 Ω load
63958	Flip cover (IFR 4000AR only)

## Optional Accessories

63656	Desk top stand
62400	RS-232 cable
6083	Maintenance Manual (CD)

For further information please contact:

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