

IFR4000

Portable Nav/Comm Test Set

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

COBHAM



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) |

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