Brochure

VIAVI

IFR4000-EMB

Nav/Comm Flight Line Test Set (Embraer Configuration)

A portable unit designed for the testing of navigation instruments and communication systems.

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The VIAVI IFR4000 Flight Line Test Set is designed for testing ILS, VOR, Marker Beacon, HF/VHF/UHF Communications (NAV/COMM) Systems, and ELT Short Range Emergency Beacons and 406 MHz COSPAS/SARSAT Long Range Emergency Beacons. The menu driven functionality and guided test capability make this instrument extremely easy to use.

Features

- Morse code provides 1–4 characters transmitted in the VOR and ILS localizer mode
- Generation of ARINC 596 selective calling tones
- Simulation of Localizer and Glideslope (CAT I, II, and III) Signals with variable DDM settings
- Accurate measurement of VHF/UHF antenna and or feeder SWR (Standing Wave Ratio)
- Simulation of marker beacon, selectable outer, middle, and inner marker tones

Benefits

- Battery operation of 8 hours plus between recharges
- Guided test capability cuts down total test time
- Low cost ELT option
- Software updates downloaded via website
- Frequency counter provides external frequency measurement

Applications

- Accurate measurement of 121.5/243 MHz emergency beacon transmitter frequency, output power, modulation (AM). Headphone audio output to monitor swept tone
- Accurate measurement of 406 MHz COSPAS/SARSAT emergency beacon transmitter frequency and output power
- Decode and display all location and user protocols

Ordering Information

Versions and Options

Order Number	Description
72420	IFR4000-EMB Nav/Comm Ramp Test Set (Embraer configuration) Includes:
	72418 IFR4000 Test Set
	83402 4000OPT1 ELT (121.5/243 MHz beacon and 406 MHz COSPAS/SARSAT beacon test)

Standard Accessories

9140	Antenna, 75MHz
9137	Antenna, telescoping
10238	Transit case
6081	Operation Manual (CD)
6087	Getting Started Manual
67366	AC/DC power supply
62302	Power cord, 110V
64020	Power cord set, 220V
62398	TNC (male) to TNC (male) coaxial cable
24140	TNC (female) shorting cap
56080	Spare fuse
24141	50 Ω load
63656	Desk top stand
62400	RS-232 cable

Optional Accessories

6083	Maintenance Manual (CD)

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:	8.0 lbs., 3.6 kg (test set only)

Environmental

Temperature:	Operating: –20° to 55°C (–4° to 131°F)
	Storage: –30° to 70°C (–22° to 158°F)

Test Set Certifications

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

For a complete certification list, see IFR4000 Specification Sheet

Standard accessories include a rugged transit case and antenna

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