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
IFR 6000

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
- Elementar 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

See Product Specification Sheet for a more detailed specification.

Physical Characteristics

<table>
<thead>
<tr>
<th>Size</th>
<th>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</th>
<th>w/ standard access: 24”H x 21”W x 12”D 61 cm x 53.3 cm x 30.4 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>8 lbs., 3.6 kg (test set only) 34 lbs., 15.4 kg (shipping weight)</td>
<td></td>
</tr>
</tbody>
</table>

Environmental

<table>
<thead>
<tr>
<th>Use</th>
<th>Pollution Degree 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Altitude</td>
<td>≤4800 meters</td>
</tr>
<tr>
<td>Operating Temp</td>
<td>-20°C to 55°C</td>
</tr>
<tr>
<td>Storage Temp</td>
<td>-30°C to 71°C</td>
</tr>
<tr>
<td>Relative Humidity</td>
<td>95% (±5%) from 5°C to 30°C 75% (±5%) from 30°C to 40°C 45% (±5%) from 40°C to 55°C</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72422</td>
<td>IFR6000 Mode A/C/S Transponder and DME Ramp Test Set</td>
</tr>
<tr>
<td></td>
<td>NSN: 6625-01-069-5582</td>
</tr>
<tr>
<td></td>
<td>NSN: 6625-01-529-1369 (220V)</td>
</tr>
<tr>
<td></td>
<td>NSN: 6625-01-561-7078 (w/ Options 2 &amp; 3)</td>
</tr>
<tr>
<td></td>
<td>NSN: 6625-01-567-5667 (220V w/ Options 2 &amp; 3)</td>
</tr>
<tr>
<td>83410</td>
<td>60000OPT2 TCAS (TIS)</td>
</tr>
<tr>
<td>83411</td>
<td>60000OPT3 ADS-B 1090 MHz</td>
</tr>
<tr>
<td>112795*</td>
<td>60000OPT5 UAT 978 MHz</td>
</tr>
<tr>
<td>113153*</td>
<td>60000OPT5 UAT 978 MHz (for fielded units)</td>
</tr>
<tr>
<td>140609*</td>
<td>60000OPT6 ADS-B Integrity Test Option</td>
</tr>
</tbody>
</table>

*Includes cables

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

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.

For further information please contact:

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or contact your local Viavi AvComm sales office

For complete certification list, see Product Specification Sheet