

Avionics

IFF-701Ti Transponder/Interrogator Test Set

AEROFLEX
A passion for performance.



The IFF-701Ti is an 'O' Level/1st Line, portable battery operated test set for testing IFF MK12/Mode S Transponders and MK12 Interrogators installed in airborne, naval or land based platforms. The IFF-701Ti may also be used for 'I' Level/2nd Line filter bench testing.

- Menu driven via sealed keypad and back lighted 6 line x 40 character LCD sunlight readable display
- Accurate parametric measurements XPDR/Interrogator TX Peak Power, TX Frequency & RX sensitivity
- XPDR auto-test minimizes test time Semi-automated Interrogator testing
- User selectable Configuration Files XPDR factory defaults provide combinations of modes to be auto-tested plus parametric test limits to STANAG 4193/AIMS 97-1000. Interrogator factory defaults provide parametric test limits to STANAG 4193/AIMS 97-1000
- Mode 4 KIT/KIR-1C interface, Stored Code operation, Crypto's may be powered from test set supplied +28V DC. Optional KIV-6 interface
- TCAS 1 & 2/E-TCAS Test Capability
- Mode S XPDR tests compliant with test requirements of FAR Part 43 Appendix 'F'. Mode S Level 3
- Built-in self test
- Universal Line Supply 100 to 240 V
- External DC operation 11 to 32V, Liion Battery 3.5 Hrs operational duration
- XPDR 'O' Level/1st Line point and shoot operation via directional antenna
- CE Compliant

DIMENSIONS

28.4 cm Width; 36.1 cm Depth; 27.9 cm Height excluding spacer
11.2 in. Width; 14.2 in. Depth; 11 in. Height excluding spacer

WEIGHT

13 kg (29 lbs)
17 kg (37 lbs) with spacer section

CALIBRATION PERIOD

12 Months

NATO STOCK NUMBERS

IFF-701

6625-01-468-7633 (USA)

IFF-701Ti

6625-01-468-4809 (USA)

SIM-701

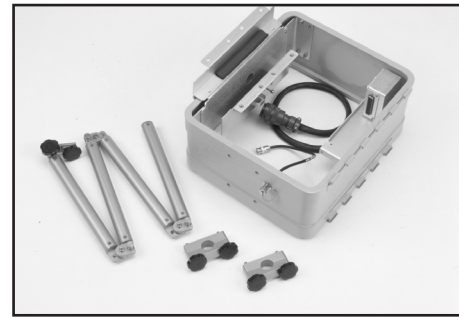
6625-99-5938197 (UK)

ACCESSORIES

When ordering please quote full ordering number information

| Item | Description/Use |
|--|---|
| Supplied Accessories | |
| Line Cord | |
| RF Coax Cable | Connects Directional Antenna to IFF-701Ti |
| Operator's Manual | |
| Directional Antenna | Used for all tests |
| TNC-BNC lobing Adaptor x 2 | For direct connection to antenna feeders, switches and transponder |
| Crypto Umbilical | Connects IFF-701Ti to KIR/KIT-1C-TSEC Crypto, Length 3ft for stored code loading or direct Crypto operation. Provided with 4ft power leads for +28 VDC aircraft battery connection. Also provides 115 VAC input. |
| Ext DC Input Cable | For powering unit off of External DC source |
| Optional Accessories | |
| SIM-701 Monopulse Antenna Simulator | For direct connect testing of interrogator sum & difference channels. |
| Case spacer section AC1006 | Provides antenna pole mounting brackets and antenna bulkhead connector for sealed case operation. Also provides antenna mount poles, storage for antenna mount pole sections and antenna bulkhead to test set RF coax cable. Provides KIV-6/16 applique crypto mount tray storage and umbilical cable. |

All Aeroflex Avionics products delivered with Factory Certificate Of Calibration



Optional spacer (AC1006) and accessories

EXPORT CONTROL:

This product is controlled for export under the International Traffic in Arms Regulations (ITAR). A license from the U.S. Department of State is required prior to the export of this product from the United States.

EXPORT WARNING:

Aeroflex's military products are controlled for export under the International Traffic in Arms Regulations (ITAR) and may not be sold or proposed or offered for sale to certain countries including: Belarus, Burma, China, Cuba, Haiti, Iran, Liberia, Libya, North Korea, Somalia, Syria, Sudan, and Vietnam. See ITAR 126.1 for complete information.

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Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.