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Product Brochure

AvionTEq
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VIAVI

AVX-10K

Flight Line Test Set

Performance verification testing of critical airborne systems from a single device.

The AVX-10K is a comprehensive flight line test solution providing today's Avionics Technician with an easy to use instrument for testing Transponders, ADS-B, TCAS, Communications, ILS, VOR, DME, UAT, ELT and more. From a quick airborne system auto-test to an in-depth troubleshooting tool, testing can conveniently be done around the aircraft or in the cockpit from the touchscreen display or using your mobile device. Easy set-up, quick testing and reporting transferable via USB, Ethernet and wireless all done from a modern user interface, or the VIAVI Solutions Mobile Tech App.



Features

- Configurable test capability
- Intuitive user interface
- Software defined applications
- Remote operation
- Android™ and iOS® compatible
- Guided Test
- Built-in GPS receiver
- International test configurations

Benefits

- Purchase only the test options that you need
- Time saving ease of operation
- Easily updated with future applications
- Conveniently test in and around the aircraft from your mobile device
- Recall saved test sequences for future use
- Provides accurate positional data for ADS-B testing
- Compliant with global regulatory requirements

Test Usage

- ATCRBS and Mode S Transponders
- ADS-B In and ADS-B out
- 978 / 1090MHz ADS-B Traffic
- GICB
- ILS – LOC, GS, and MB
- VOR
- DME
- Communications – AM, FM, SSB, and Expanded SELCAL
- VSWR and Distance to Fault
- TCAS, UAT and ELT optional

Ordering Information (■=Standard Item, all other items optional)

| Catalog Number | Item Description | Preconfigured Kits | | | |
|------------------|-----------------------------------|---------------------------------|---------------------------|--------------------------------|--------------------------------|
| | | AVX-10K-FLTS (Test Set Only) | AVX-10K-NAV (NAV/COMM) | AVX-10K-SVLC (Surveillance) | AVX-10K-CNS (COMM/NAV/SVLC) |
| AVX-10K | AVX-10K Unit | ■ | ■ | ■ | ■ |
| AC10K-PWRADPTR | AC/DC Power Adapter | ■ | ■ | ■ | ■ |
| AC10K-HANDSTRAP | Hand Strap | ■ | ■ | ■ | ■ |
| AC10K-OPSMNL | Manual, Operations | ■ | ■ | ■ | ■ |
| AC10K-QSGUIDE | Manual, Quick Start | ■ | ■ | ■ | ■ |
| AC10K-TRANSICASE | Carrying Case, Hard Transit | | ■ | ■ | ■ |
| AC10K-ADPTRKIT | Calibration Kit, VSWR/DTF | ■ | ■ | ■ | ■ |
| AC10K-ANT-ILS | Antenna, VOR / ILS | | ■ | | ■ |
| AC10K-ANT-MB | Antenna, Marker Beacon | | ■ | | ■ |
| AC10K-CBL6FT | Cable, Coax 6' | | ■ | ■ | ■ |
| AC10K-FPANT | Antenna, RF Flat Panel w/1' Cable | | | ■ | ■ |
| 62401 | Cable, Coax 1' | ■ | ■ | | |
| UC-584 | Coupler, UC-584 w/25' Cable | | | ■ | ■ |
| UC-584S | Coupler, UC-584S w/25' Cable | | | | ■ |
| Software Options | Select Test Capability | | | | |
| AVX-10K-SXPDR | Transponder Modes A,C,S | | | ■ | ■ |
| AVX-10K-SADSB | ADS-B-In/Out/GICB/Target Gen | | | ■ | ■ |
| AVX-10K-STCAS | TCAS I/II | | | | |
| AVX-10K-SDME | DME | | ■ | ■ | ■ |
| AVX-10K-SUAT | UAT In/Out | | | | |
| AVX-10K-SNAV | Navigation (ILS/MB/VOR) | | ■ | | ■ |
| AVX-10K-SELT | ELT 121.5/243/406MHz | | | | |
| AVX-10K-SCOM | Radio Test AM/FM (Comms) | | ■ | | ■ |

Selectable Power Cords

| | |
|---------------------|---|
| AC10K-PWRCRD-US/CAN | AC Power Cord - US / Canada |
| AC10K-PWRCRD-EU | AC Power Cord - Continental Europe |
| AC10K-PWRCRD-AUSNZ | AC Power Cord - Australia / New Zealand |
| AC10K-PWRCRD-INDIA | AC Power Cord - India |
| AC10K-PWRCRD-UK/IRE | AC Power Cord - UK / Ireland |
| AC10K-PWRCRD-SWITZ | AC Power Cord - Switzerland |

Additional Accessories

| | |
|---------------|---|
| AC10K-ANTBRKT | Required to use your current IFR6000 1030/1090 RF Antenna |
| AC10K-CC | Soft Side Carrying Case |
| AC10K-BATTERY | Internal Battery, Lithium Ion 7.3V 13Ah |
| AC10K-CBL12FT | Cable, Coax 12' |
| 141131 | Cable, Coax 25' |
| 142839 | Cable, Coax 50' |

| | |
|--------|---|
| 140889 | TC-201A TCAS/XPDR Directional Antenna Coupler |
| 90106 | UC-584S Coupler Placement Pole |

Physical Characteristics

| | |
|-------------------|--|
| Test Set | 12"H x 5.3"W x 3.75"D 30.48 cm x 13.5 cm x 9.5 cm |
| Transit Case Size | 24.5"H x 19.3"W x 22.2"D 62.23 cm x 49.2 cm x 31 cm |
| Weight | 6.5 lbs. (2.94 kg) test set only 32 lbs. (14.51 kg) shipping weight |
| Battery | >4 hrs continuous, > 8 hrs typical |
| Power | 100 - 250 VAC, 1.5 A max, 47-63hz |

Environmental

| | |
|----------------|----------------------------------|
| Operating Temp | -20° to 55° C (-4° to 131° F) |
| Storage Temp | -30° to 71° C (-22° to 159.8° F) |