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VIAVI Solutions

Product Brochure

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-TRANSITCASE	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)

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