

AVX-10K

Military Flight Line Test Set

Performance verification testing of mission-critical avionics systems



The AVX-10K is a comprehensive test solution providing Maintenance Technicians with an easy-to-use all-in-one instrument for testing multiple systems. Built-in auto tests and the ability to create guided tests that replicate existing procedures will save time and provide consistent, repeatable test results.

Airborne Systems Tested

Communication

- AM/FM/SSB
- HF/VHF/UHF
- SELCAL

Navigation

- TACAN
- DME
- VOR
- ILS
- ELT

Surveillance

- Military Modes 1/2/3
- Modes A/C/S
- ADS-B In/Out 978/1090 MHz
- ETCAS
- ACAS/TCAS I/II



Lightweight, ergonomic, easy to use test set.

Key Features

Replaces Multiple Test Sets

- IFR4000, IFR4000AR, IFR6000, IFR6015
- 3515 for Airborne COMM's Testing including scripting* capability

COMMUNICATIONS System Testing

- AM/FM Transceivers
- Over-the-Air (RSSI) or direct connect testing
- Guided Test

NAVIGATION System Testing

- TACAN and DME Interrogator Test
- ILS (Localizer/Glideslope/Marker Beacon)
- 121.5/243/406 MHz ELT
- Auto pilot test
- Guided Test

SURVEILLANCE System Testing

- Automated transponder testing
- Automated ADS-B surface/air testing
- 5 simulated ADS-B/ADS-R/TIS-B traffic targets
- Standard and user-programmable TCAS scenarios
- Over-the-Air, direct, or coupled testing

General

- VSWR/DTF Antenna and Coax Testing
- Cable Loss Measurements
- Battery operation >4 hrs continuous, >8 hrs typical

* Early 2025

This matrix identifies all standard options and accessories included with each configuration shown and is equivalent in capabilities to the noted NSNs listed. The AVX-10K-MIL is a comprehensive kit replacing all NSNs shown. For additional detail refer to the Selection Guide and the Data Sheet for specifications and certifications.

AVX-10K Mil Configurations and Ordering Information

		AVX-10K-NAV-M 22182233	AVX-10K-SVLC-M 22182230	AVX-10K-MIL 22182232
		Equivalent IFR4000/AR NSNs 6625-01-559-2384 6625-01-553-1956 6625-01-516-4656 6625-01-515-0343 * Items Available Late 2024	Equivalent IFR6000/6015 NSNs 6625-01-574-2423 6625-01-601-4034 6625-01-069-5582 6625-01-572-1213 6625-01-561-7078 6625-01-686-5638 6625-01-567-5667	AVX-10K-MIL Supports all capability and replaces all noted NSNs * Items Available Late 2024
Catalog No.	Item Description			
AVX-10K	AVX-10K Base Unit	■	■	■
Software Options				
AVX-10K-SXPDR	Transponder Modes A,C,S		■	■
AVX-10K-SADSB	ADS-B-In/Out / GICB / Target Gen/FIS-B		■	■
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 121.5/243/406 MHz	■		■
AVX-10K-SCOM	Radio Test AM/FM (Comms)	■		■
AVX-10K-SECOM	Radio Test Enhanced (Comms)	*		*
AVX-10K-STACAN	TACAN		■	■
AVX-10K-SETCAS	E-TCAS		■	■
AVX-10K-SM1/2/3	XPDR Military Modes 1/2/3		■	■
AVX-10K-SSECURE	Secure (Wireless disabled) Mode	■	■	■
Accessories				
AC10K-PWRADPTR	AC/DC Power Adapter	■	■	■
AC10K-HANDSTRAP	Hand Strap	■	■	■
AC10K-TRANSITCASE	Transit Case	■	■	■
AC10K-ADPTRKIT	Adapter Kit	■	■	■
AC10K-ANT-ILS	Antenna - ILS	■		■
AC10K-ANT-MB	Antenna 75 Mhz MB	■		■
AC10K-FPANT	Antenna, RF Flat Panel w/1' Cbl		■	■
AC10K-ATTEN	Attenuator	■		■
AC10K-UC-584	Shield/Coupler, UC-584 w/25' Cbl		■	■
AC10K-CBL6FT	Cable, Coax 6'	■	■	■
AC10K-HEADSETADPTR	Headset Adapter	*		*
AC10K-OPSMNL	Operations Manual	■	■	■
AC10K-QSGUIDE	Quick Start Guide	■	■	■
Power Cords				
AC10K-PWRCRD-US/CAN	AC Power Cord - US / Canada	■	■	■
AC10K-PWRCRD-EU	AC Power Cord - Continental Europe	■	■	■



AVX-10K Specifications

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
Power	100 - 250 VAC, 1.5 A max, 47-63 Hz
Operating Temp	-20° to 55°C (-4° to 131°F)
Storage Temp	-30° to 71°C (-22° to 159.8°F)
Battery Operation	>4 hrs continuous, >8 hrs typical

Comprehensive Kits – only one test set to take to the aircraft



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