

# APM-424(V)5

## MK XIIA Flightline Test Set

**COBHAM**

Mission critical, operational performance testing

The most important thing we build is trust



# APM-424(V)5

Easily accommodates a variety of aircraft, ground and ship platforms to test transponder and interrogator performance



## Features

- DoD AIMS 03-1000A Mark XIIA certified
- Supports DoD AIMS 04-900A Option A - KIV-78 & QRTK6 NG (with Airbus DS QRTK6 NG adapter) and Option B - KIV-77 & SIT-2010 crypto appliques
- Transponder Test Modes 1, 2, 3/A, C, S (EHS/ELS), 4, Mode 5 (Level 1 and 2)
- Interrogator Test Modes 1, 2, 3/A, C, S, 4, Mode 5, TCAS, ETCAS (Level 1 and 2)
- DO-260B compliant; ADS-B Out test capability
- Accurate GPS time/date acquisition (via GPS antenna, crypto or manually)
- Hand-held and battery powered
- One piece, 3-button point and shoot Go/No-Go operation
- Self-diagnostic
- Parametric test results can be stored for downloading to a PC for review or maintenance logging

## Applications

- Mode 5 TX/RX pulse measurement
- Mode 5 squitter data
- Mode 5 data acquisition formats 0-23
- TS-4542 Shipboard Interrogator test capability
- ADS-B Out testing
- KIV-77 & SIT-2010 support
- KIV-78 & QRTK6 NG support

See Product Specification Sheet for a more detailed specification.

The APM-424(V)5 is a performance and capability upgrade to the TS-4530 and APM-424 legacy test sets. The unit closely replicates legacy operation for utilization of existing procedures, making the APM-424(V)5 a cost effective, highly accurate upgrade to fielded test sets.



Accessories include a wheeled transit case (standard) and tripod (optional)

## Dimensions

<b>Size:</b>	
<i>Test set only</i>	7.5"H x 11.5"W x 14.1"D 27.0 cm x 35.5 cm x 8.7 cm
<b>Weight:</b>	
	12.25 lbs. (test set with battery) 41 lbs. (shipping weight)

## Environmental

Operational Temp	-40° to +55°C
Storage Temp	-55° to +85°C

## Test Set Certifications

- MIL-PRF-28800F, Class 2
- MIL-STD-810F
- CE
- DoD AIMS MK XIIA Level 1 and Level 2

For complete certification list, see Product Specification Sheet

## VERSIONS, OPTIONS AND ACCESSORIES

Order Number	Description
86335	APM-424(V)5 MK XIIA Test Set w/ KIV-77 Adapter NSN: 6625-01-583-2774
91066	APM-424(V)5 MK XIIA Test Set w/ KIV-78/6 Adapter
91067 / SERD 65A06	APM-424(V)5 MK XIIA Test Set w/KIV-77 & KIV-78/6 Adapter -includes Maint. Manual (86421) and Bench Utility Software w/ Field Maint. (86633)
<b>Factory upgrade kits for existing units (COMSEC adapters sold separately)</b>	
67197	Kit, upgrade TS-4530 or AN/APM-424(V)3 to APM-424(V)4
86738	Kit, upgrade TS-4530 or APM-424(V)3 to APM-424(V)5
88573	Kit, upgrade APM-424(V)4 to APM-424(V)5
88572	Kit, upgrade TS-4530-1 to APM-424(V)5
<b>Standard Accessories</b>	
12028	Transit case with pressure release valve
64647	KIV-77 adapter (included with 86335 & 91067)
86769	KIV-78/KIV-6 adapter (included with 91066 and 91067)
58077	KIT/KIR-1C COMSEC cable (55-1045-10)
58078	RF direct connect cable (55-1045-11)
58081	RS-232 serial data cable (55-1045-15)
38589	RF adapter (30-0225-01)
11492	AC power adapter (15-0360-M0)
58080	DC power cable (55-1045-14)
905	External battery charger (01-1045-10)
47621	Battery sticks (2) (43-0012-00)
88976	Getting Started manual
86805	Operators manual (CD)
67468	Bench utility software (CD)

Order Number	Description
6154	Battery instruction sheet Calibration certificate Standard 2-year warranty
<b>Optional Accessories</b>	
86769	KIV-78/KIV-6 adapter (included with 91066 and 91067)
64647	KIV-77 adapter (included with 86335 & 91067)
58079	KIV-6 adapter (55-1045-13)
11958	Transit case for KIV-6 (ACKIV6CASE)
58082	Cable, KIT/KIR-1A COMSEC (55-1045-16)
58084	Automotive DC adapter cable (55-1045-18)
67474	Tripod
138331	Tripod, heavy duty
86633	Bench utility software with field maintenance (CD)
86421	Maintenance manual (CD)

**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.

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Aeroflex's military products are controlled for export under the International Traffic in Arms Regulations (ITAR) and may not be sold or proposed of 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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