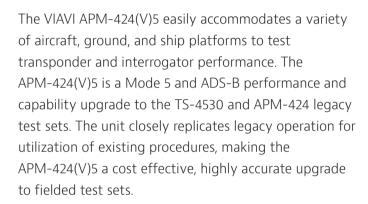
Brochure

# VIAVI APM-424(V)5

MK XIIA Flight Line Test Set

Verification of mission critical Mode 5 IFF Go/No-Go operation.







## **Features**

- · DoD AIMS Mark XIIA certified
- Supports DoD AIMS 04-900A Option A and Option B crypto appliqués
- 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

#### **Benefits**

- 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 support

# **Ordering Information**

## Versions, Options, and Accessories

APM-424(V)5 MK XIIA Test Set w/KIV-77 Adapter, NSN: 6625-01-583-2774 APM-424(V)5 MK XIIA Test Set w/		
<u> </u>		
APM-424(V)5 MK XIIA Test Set w/		
,		
KIV-78/6 Adapter		
APM-424(V)5 MK XIIA Test Set w/KIV-77 &		
KIV-78/6 Adapter - includes Maintenance		
manual (86421) and Bench Utility Software		
with Field Maintenance (86633)		
NSN: 6625-01-669-3525		
Kit, F-15 Interrogator Transponder Test Set,		
NSN: 4920-01-627-6388		
Factory upgrade kits for existing units (COMSEC adapters sold separately)		
Kit, upgrade TS-4530 or AN/APM-424(V)3 to		
APM-424(V)5		
Kit, upgrade APM-424(V)4 to APM-424(V)5		

#### **Standard Accessories**

5 (4) (4)		
88171	APM-424(V)5 base test unit (non-procurable)	
10246	Wheeled transit case with pressure release	
	valve	
64647	KIV-77 adapter (included with 86335 & 91067)	
86769	KIV-78/KIV-6 adapter (included with 91066 &	
	91067	
58077	KIT/KIR-1C COMSEC cable	
58078	RF direct connect cable	
58081	RS-232 serial data cable	
38589	RF adapter	
11492	AC power adapter	
58080	DC power cable	
905	External battery charger	
47621	Battery sticks (x2)	
88976	Getting Started manual	
86805	Operators manual (CD)	
67468	Bench utility software (CD)	
30089	Power cord, N.A. NEMA	
91598	Power cord, European	
91599	Power cord, U.K.	
6154	Battery instruction sheet	
Calibration certificate & Standard 2-year warranty		

## **Optional Accessories**

86769	KIV-78/KIV-6 adapter (included with
	91066 & 91067)
64647	KIV-77 adapter (included with 86335 &
	91067
58079	KIV-6 adapter
11958	Transit case for KIV-6 (ACKIV6CASE)
58082	Cable, KIT/KIR-1A COMSEC
58084	Automotive DC adapter cable
138331	Tripod, heavy duty
86633	Bench utility software with field
	maintenance (CD)
86421	Maintenance manual (CD)

# **Physical Characteristics**

Size: Test Set Only	7.5 in. H x 11.5 in. W x 14.1 in. D 27.0 cm x 35.5 cm x 8.7 cm
with Transit Case	20.4 in. H x 31.3 in. W x 15.5 in. D 51.82 cm x 79.50 cm x 39.37 cm
Weight	12.25 lbs. (5.6 kg), test set with battery 50 lbs. (22.7 kg), shipping weight

# **Environmental**

Operational Temp.	-40° to +55°C (-40° to + 131° F)
Storage Temp.	-55° to +85°C (-67° to +185° F)

# **Test Set Certifications**

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

For complete certification list see APM-424(V)5 Specification Sheet



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

#### **Export Control and Warning**

VIAVI Solution's military products are 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. This product 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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To reach the VIAVI office nearest you, visit viavisolutions.com/contact.

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