

SmartPocket™ Optical Test Kits

OMK-34/35/36/38



Viavi Solutions® SmartPocket optical test kits (OMK-3x) are the new generation of pocket-sized and rugged instruments for installing and maintaining fiber optic networks. All test kits are equipped with an optical power meter and a dual or quad-wavelength optical light source dedicated to power level, insertion loss measurements, and continuity checks.

Rugged Field Design and Flexible Optical Interface

A lightweight, shock-resistant splash-proof design and an extended operating time make OMK-3x test kits ideal solutions for field use. A switchable adapter system on the light source with a universal push pull (UPP) adapter on the power meter that handles all 2.5 mm connectors (1.25 mm as optional accessory) make OMK-3x test kit ready for every connector type in the field.

Auto-λ Recognition Mode and TwinTest Mode

Auto-λ is a special feature developed by Viavi to identify wavelengths automatically, helping avoid any manipulation errors due to incorrect settings.

In TWINTest mode, the source automatically toggles between two wavelengths. The far end optical power meter automatically measures both wavelengths.

Network Documentation and Certification

All Viavi SmartPocket optical power meters provide result storage capability of up to 100 results. An optional micro USB port provides straightforward downloading using SmartReporter software. This software offers PDF or Excel report generation with pass/fail analysis against customized or industry standard thresholds.

Key Features

- Essential optical test kits for enterprise and service provider applications
- Certify standard, high dynamic, and high power applications
- Auto-wavelength and TWINTest features for error-free and efficient testing
- Permanent reference-level storage
- Fast result download and report generation with SmartReporter freeware (available with Plus test kits)

Applications

- Optical power level and link Insertion loss measurements for:
 - Enterprise/LAN networks with 850/1300 nm multimode wavelength capability
 - Access and metro (LAN/WAN) networks with multimode and single-mode testing combinations
 - Standard and high power level testing for telecom, CATV, and military applications
- Continuity checking and tone detection

The Right Kit for Every Application

Instruments					Applications				
		Light Source	Power Meter	Wavelength	MM*	SM*	Access/FTTx	Metro/Core	LAN/WAN Enterprise
Enterprise	OMK-34	OLS-34	OLP-34	850/1300 nm	✓				✓
	OMK-36	OLS-36	OLP-35	850/1300 nm 1310/1550 nm	✓	✓	✓	✓	✓
Service Providers	OMK-35	OLS-35	OLP-35	1310/1550 nm		✓	✓	✓	
	OMK-38	OLS-35	OLP-38	1310/1550 nm		✓	✓ Video overlay	✓ CATV	

* MM = multimode
SM = single-mode

Viavi OMK-3x optical test kits provide essential tools for power and insertion loss measurement and are ideal for a wide range of installation and maintenance applications.



OMK-3x kit with light source, power meter, power supply, and USB cable.

OMK-34

The OMK-34 is a dual-wavelength multimode optical test kit with a single-port LED source and a power meter with a universal push/pull adapter (UPP) interface for power level and loss measurement in LAN and enterprise environments.

OMK-35

The Viavi OMK-35 is a dual-wavelength single-mode optical test kit with a single-port laser source and a power meter with a UPP interface for power level and loss test measurement in access, metro, and core networks.

OMK-36

The Viavi OMK-36 is an all purpose quad-wavelength optical test kit with a dual-port multimode/singlemode light source and a power meter with a UPP interface for all single-mode and multimode power and loss measurements.

OMK-38

The Viavi OMK-38 is a dual-wavelength single-mode optical test kit with a single-port laser source and a power meter with a UPP interface for high power level and loss measurement in high-power networks and amplified network applications.

Technical Specifications

	OMK-34 Enterprise Kit	OMK-36 Enterprise Quad Kit	OMK-35 Service Provider Kit	OMK-38 Service Provider Hi-Power Kit
Light Source	OLS-34	OLS-36	OLS-35	OLS-35
Fiber type	MM (50/125 μ m)	MM (50/125 μ m)/SM	SM	SM
Output power	-20 dBm	-20 dBm/-7 dBm	-7 dBm	-7 dBm
Wavelength uncertainty	\pm 20 nm			
Connector type	Switchable adapters			
Power Meter	OLP-34	OLP-35	OLP-35	OLP-38
Power range	-60 to +5 dBm	-65 to +10 dBm	-65 to +10 dBm	-50 to +26 dBm
Max. input power	+13 dBm	+16 dBm	+16 dBm	+27 dBm
Connector type	Universal push pull (UPP), interface 2.5 mm (1.25 mm as accessory)			
Data storage	100 results			
General Loss Test Set Specifications				
Wavelength	850 nm	X	X	
	1300 nm	X	X	
	1310 nm		X	X
	1550 nm		X	X
Loss dynamic range	40 dB	40/58 dB	58 dB	43 dB
General Specifications				
Dimension (w x h x d)	280 x 215 x 50 mm (11 x 8.5 x 2 in)			
Weight	0.6 kg (1.32 lb)			

OMK-3X: Basic and Plus Kits

All OMK-3x kits can be ordered in two configurations:

- OMK-3x Basic test kit includes:
 - Standard power meter
 - Light source with switchable adapter SC/PC mounted and FC/PC as a spare part
- OMK-3xP Plus test kit includes:
 - Power meter with USB option (download capability and AC powering)
 - Light source with switchable adapter SC/PC mounted and FC/PC as a spare part

Ordering Information

Description	Reference
Smart Pocket Test Kits	
OMK-34P Enterprise Plus- MM SmartPocket Test Kit with USB option	2127/01
OMK-34 Enterprise Basic- MM SmartPocket Test Kit	2127/11
OMK-36P Enterprise Plus- SM/MM SmartPocket Test Kit with USB option	2127/04
OMK-36 Enterprise Basic- SM/MM SmartPocket Test Kit	2127/14
OMK-35P Service Provider Plus- SM SmartPocket Test Kit with USB option	2127/02
OMK-35 Service Provider Basic- SM SmartPocket Test Kit	2127/12
OMK-38P Service Provider Hi-Power Plus- SM SmartPocket Test Kit with USB option	2127/03
OMK-38 Service Provider Hi-Power Basic - SM SmartPocket™ Test Kit	2127/13

Each kit comes with AA alkaline batteries, AC power adapter, USB cable, operating manual, neck strap, soft case MT-2P and a USB stick including reporting software and all relevant documents.

Description	Reference
Optional Accessories	
Fiber Cleaning Consumables kit	FCR-CLN-01
NiMH rechargeable batteries, Mignon AA, 1.2V (2 batteries)	2237/90.02
SNT-505; universal AC power adapter, micro USB connector	2302/90.01
Neck strap for SmartPocket	2302/90.03
USB connection cable	K807
MT-2P, soft case for 2 SmartPockets and accessories	2127/90.01
ST switchable adapter	2155/00.32
FC switchable adapter	2155/00.05
SC switchable adapter	2155/00.06
LC switchable adapter	2155/00.07
UPP adapter for LC ,MU (1.25 mm)	2256/90.03
SmartReporter Reporting Software (free download from http://smartreporter.updatemyunit.net/)	



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