

SmartPocket™ Optical Test Kits

OMK-34/35/36/38



Key features

- **Essential fiber test sets for Enterprise and Service Provider applications**
- **Certify standard, high dynamic and high power applications**
- **Auto-wavelength and TWINTest features for test time efficiency and error-free testing**
- **Permanent reference level storage**
- **Fast result download and report generation with OFS-355 certification software**

Applications

- **Optical power level and link Insertion loss measurements for:**
 - **Enterprise / LAN networks with 850/1300nm multimode wavelengths capability**
 - **Access and Metro (LAN/WAN) networks with multimode and singlemode testing combinations**
 - **Standard and High Power level testing for any telecom, CATV and military applications**
- **Continuity checking and tone detection**

JDSU SmartPocket™ Optical Test Kits (OMK-3x) are the new generation of pocket-sized and rugged instruments to install and maintain 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 measurement and continuity check.

Rugged field design and 3-way powering

Lightweight, shock resistant splash proof design and an extended operating time of up to 200h makes the OMK-3x test kits an ideal solution for field use. All instruments provide a 3-way powering capability with dry, rechargeable batteries or AC power supplier, for maximum flexibility.

Auto-λ recognition mode and TwinTest mode

Auto-λ is a special feature developed by JDSU allowing identifying wavelengths automatically and avoiding 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 JDSU SmartPocket™ optical power meters provide result storage capability with straightforward download via micro-USB to the OFS-355 certification software. This software offers PDF or Excel report generation with pass/fail analysis against customized or industry standard thresholds such as TIA.

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The right kit for every application

Instruments		Light source	Power meter	Wavelengths	Applications				
					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 = singlemode

JDSU 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/WAN and Enterprise environment.

OMK-35

The JDSU OMK-35 is a dual-wavelength singlemode 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 JDSU OMK-36 is a quad-wavelength optical test kit with a dual-port multimode/singlemode light source and a power meter with a UPP interface for singlemode and multimode power and loss measurement.

OMK-38

The JDSU OMK-38 is a dual-wavelength singlemode 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 CATV networks, and DWDM with EDFA

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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		Fixed SC/PC or interchangeable 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 or 1.25 nm]		
General loss test set specifications				
Wavelength	850	X	X	
	1300	X	X	
	1310		X	X
	1550		X	X
Los dynamic range	40 dB	40/58 dB	58 dB	43 dB
Max. fiber length	~ 12 km @ 850 nm ~ 25 km @ 1300 nm	~ 12 km @ 850 nm ~ 25 km @ 1300 nm ~ 150 km @ 1310 nm ~ 200 km @ 1550 nm	~ 150 km @ 1310 nm ~ 200 km @ 1550 nm	~ 100 km @ 1310 nm ~ 150 km @ 1550 nm
General specifications				
Dimension (w x h x d)		280 x 215 x 50 mm (11 x 8.5 x 2")		
Weight		0.6 kg (1.32 lbs)		

OMK-3X: Basic and Plus Kits

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

- OMK-3x Basic: Standard power meter
Light source with fixed SC/PC adapters
- OMK-3x Plus: Power meter with USB download functionality
Light source with field interchangeable adapters

Ordering information

SmartPocket™ Test Kits

Reference	Name/Description
2127/01	OMK-34P Enterprise Plus- MM SmartPocket™ Test Kit With interchangeable adapters and USB option
2127/11	OMK-34 Enterprise Basic- MM SmartPocket™ Test Kit
2127/04	OMK-36P Enterprise Plus- SM/MM SmartPocket™ Test Kit With interchangeable adapters and USB option
2127/14	OMK-36 Enterprise Basic- SM/MM SmartPocket™ Test Kit
2127/02	OMK-35P Service Provider Plus- SM SmartPocket™ Test Kit With interchangeable adapters and USB option
2127/12	OMK-35 Service Provider Basic- SM SmartPocket™ Test Kit
2127/03	OMK-38P Service Provider Hi-Power Plus- SM SmartPocket™ Test Kit With interchangeable adapters and USB option
2127/13	OMK-38 Service Provider Hi-Power Basic - SM SmartPocket™ Test Kit

A USB stick including reporting software and all relevant documents comes with each kit.

Main accessories

FCR-CLN-01	Fiber Cleaning Consumables kit
2237/90.02	NiMH rechargeable batteries, Mignon AA, 1.2V (2 batteries)
2302/90.01	SNT-505; universal AC power adapter, micro USB connector
2302/90.03	Neck strap for SmartPocket
K 807	USB connection cable
2127/90.01	MT-2P, soft case for 2 SmartPockets and accessories
2256/90.03	UPP adapter for LC ,MU (1.25 mm)

Adapters

2150/00.32	ST Universal Adapter
2150/00.50	DIN Universal Adapter
2150/00.51	SC Universal Adapter
2150/00.58	FC Universal Adapter
2150/00.59	LC Universal Adapter

Test & Measurement Regional Sales

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