

# SmartPocket™ Optical Test Kits

## OMK-34/35/36/38



### 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 test time efficiency and error-free testing**
- **Permanent reference level storage**
- **Fast result download and report generation with OFS-355 firmware (available with Plus test kits)**

### 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 universal optical interface

Lightweight, shock resistant splash proof design and an extended operating time make the OMK-3x test kits an ideal solution for field use. Fixed or interchangeable optical source adapters together with a universal push pull (UPP) adapter on the power meters handling all 2.5 mm connectors (1.25 mm as optional accessory) make the new OMK-3x test kits ready for every connector type in the field.

### Auto-λ recognition mode and TwinTest mode

Auto-λ is a special feature developed by JDSU to identify wavelengths automatically thus 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 of up to 100 results. An optional micro USB port provides straight forward download using JDSU's free ware OFS-355. This software offers PDF or Excel report generation with pass/fail analysis against customized or industry standard thresholds.

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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



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

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-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 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 the 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 singlemode and multimode power and loss measurements.

### 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 networks and amplified network applications.

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## Technical Specifications

	<b>OMK-34</b> Enterprise Kit	<b>OMK-36</b> Enterprise Quad Kit	<b>OMK-35</b> Service Provider Kit	<b>OMK-38</b> Service Provider Hi-Power Kit
<b>Light source</b>	<b>OLS-34</b>	<b>OLS-36</b>	<b>OLS-35</b>	<b>OLS-35</b>
Fiber type	MM (50/125 $\mu$ m)	MM (50/125 $\mu$ 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		
<b>Power meter</b>	<b>OLP-34</b>	<b>OLP-35</b>	<b>OLP-35</b>	<b>OLP-38</b>
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			
<b>General loss test set specifications</b>				
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
<b>General specifications</b>				
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 test kit includes:**  
Standard power meter  
Light source with fixed SC/PC adapters
- **OMK-3xP**    **Plus test kit includes:**  
Power meter with USB option (download capability and AC powering)  
Light source with field interchangeable adapters

## Ordering information

### SmartPocket™ Test Kits

Reference	Name/Description
2127/01	<b>OMK-34P</b> <b>Enterprise Plus- MM SmartPocket™ Test Kit</b> With interchangeable adapters and USB option
2127/11	<b>OMK-34</b> <b>Enterprise Basic- MM SmartPocket™ Test Kit SC</b> With fixed adapter SC/PC
2127/04	<b>OMK-36P</b> <b>Enterprise Plus- SM/MM SmartPocket™ Test Kit</b> With interchangeable adapters and USB option
2127/14	<b>OMK-36</b> <b>Enterprise Basic- SM/MM SmartPocket™ Test Kit SC</b> With fixed adapter SC/PC
2127/02	<b>OMK-35P</b> <b>Service Provider Plus- SM SmartPocket™ Test Kit</b> With interchangeable adapters and USB option
2127/12	<b>OMK-35</b> <b>Service Provider Basic- SM SmartPocket™ Test Kit SC</b> With fixed adapter SC/PC
2127/22	<b>OMK-35</b> <b>Service Provider Basic- SM SmartPocket™ Test Kit FC</b> With fixed adapter FC/PC
2127/03	<b>OMK-38P</b> <b>Service Provider Hi-Power Plus- SM SmartPocket™ Test Kit</b> With interchangeable adapters and USB option
2127/13	<b>OMK-38</b> <b>Service Provider Hi-Power Basic - SM SmartPocket™ Test Kit SC</b> With fixed adapter SC/PC

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.

### Optional 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
2150/00.32	ST Universal Adapter
2150/00.50	DIN Universal Adapter
2150/00.51	FC Universal Adapter
2150/00.58	SC Universal Adapter
2150/00.59	LC Universal Adapter
2256/90.03	UPP adapter for LC ,MU ( 1.25 mm)
	OFS-355 Reporting Software (free download from <a href="http://jdsu.com">jdsu.com</a> )

## Test & Measurement Regional Sales

<b>NORTH AMERICA</b> TEL: +1 866 228 3762 FAX: +1 301 353 9216	<b>LATIN AMERICA</b> TEL: +1 954 688-5660 FAX: +1 954 3454668	<b>ASIA PACIFIC</b> TEL: +852 2892 0990 FAX: +852 2892 0770	<b>EMEA</b> TEL: +49 7121 86 2222 FAX: +49 7121 86 1222	<b>WEBSITE: <a href="http://www.jdsu.com/test">www.jdsu.com/test</a></b>
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