OMK-5, OMK-6 and OMK-7

Pocket-sized optical test kits

Key features

- **Dedicated solutions for all applications in verification, installation, maintenance and surveillance of fiber optic networks**
- **Easy report generation with FiberAssistant software and high performance test kits**
- **Simple reliable operation**
- **Rugged, compact and lightweight**
- **Three year recalibration period**

All the JDSU OMK optical test kits include one power meter and one light source as standard. This combination is ideal for power and loss measurement. Each kit is packaged in its own robust field carrying case complete with all necessary adapters, cables and accessories.

OMK-5, OMK-6 and OMK-7 are handy, pocket-sized instruments optimized for absolute power and loss measurements.

Simple, pocket-sized measurement

Three-button operation and a bright, clear display make the pocket-sized OMK-5, OMK-6 and OMK-7 very easy to use. The reference level for the attenuation measurement is made to IEC-874 (method 6) and can be saved with a single keystroke.

The possibility of measurement errors is eliminated because the power meter automatically detects the wavelength being transmitted by the light source. As a result, dual wavelength measurements can be made quickly and easily, using the saved reference levels.

Automatic identification of individual fibers

The pocket-sized OMKs can be used to detect the modulation frequency of light coupled into the fiber to be measured for identification purposes.

To speed up this process, high performance OMKs feature an audible signal identifying the fiber as one of four standard frequencies. The signal sounds as soon as the fiber is brought near the input.

Rugged field instrumentation and optimized power supply

All OMKs feature low power consumption for long battery life. Power-down is automatic after 20 minutes, and remaining battery capacity is displayed whenever the on/off key is pressed. Operating time is further maximized by the use of low power components. Pocket-sized OMKs can be operated with dry or rechargeable AA batteries.

The right bag or case for every application

All pocket-sized OMKs come supplied with a robust case with enough space for accessories and test cables.

For the individual configuration of a customer specific OMK, JDSU offers separate bags and cases.

The very useful OVF-1 (visual fault locator) fits into every OMK case. The OVF-1 allows for the fast and easy identification of fibers as well as the detection of fiber faults.

Overview of instruments and applications

Applications				Instruments					
Telecom	Enterprise networks		Multimedia	Test kits	Source	Power meter	Attenuator	λ source (nm)	Twintest
	WAN	LAN	CATV						
❒		❒		OMK-5	OLS-5	OLP-5	–	850/1300	☑
❒	❒			OMK-6	OLS-6	OLP-6	–	1310/1550	
❒			❒	OMK-7	OLS-6	OLP-8	–	1310/1550	

Specifications

	OMK-5	OMK-6	OMK-7
Laser source/LED	OLS-5	OLS-6	OLS-6
Level meter	OLP-5	OLP-6	OLP-8
Level measurement	-60 to +5 dBm	-65 to +10 dBm	-50 to +23 dBm
Dynamic range with OLS-5/6 CW (continuous wave)			
850 nm	40 dB (approx. 20 km)		
1300 nm	40 dB (approx. 50 km)		
1310 nm		58 dB (approx. 145 km)	43 dB (approx. 110 km)
1550 nm		58 dB (approx. 230 km)	43 dB (approx. 170 km)
with Auto-λ			
850 nm	25 dB (approx. 12 km)		
1300 nm	30 dB (approx. 40 km)		
1310 nm		40 dB (approx. 100 km)	25 dB (approx. 60 km)
1550 nm		40 dB (approx. 160 km)	25 dB (approx. 100 km)
Dimensions (w × h × d)	360 × 90 × 310 mm	360 × 90 × 310 mm	360 × 90 × 310 mm
Weight	1.9 kg	1.9 kg	1.9 kg

Optical test kits

BN 2126/05	OMK-5, ST connector
BN 2126/06	OMK-6, FC/PC connector
BN 2126/62	OMK-6, SC/PC connector
BN 2126/07	OMK-7, FC/PC connector
BN 2126/75	OMK-7, SC/PC connector

Accessories

BN 2229/90.07	Cleaning kit for optical connectors
BN 2229/90.08	Spare tape for cleaning kit
BN 2256/90.056	Cleaning sticks (OLS-6)
BN 2229/90.01	Dry batteries, Mignon AA type, two required per instrument
BN 2229/90.02	NiCd cells, Mignon AA type, two required per instrument
Battery charger (for external charging)	
BN 2229/90.03	230 V, European AC line plug
BN 2229/90.09	110 V, US AC line plug
BN 2229/90.19	230 V, UK AC line plug
BN 2256/90.01	Belt bag, per instrument
BN 2126/90.01	MK-5 transport case with space for two pocket-sized instruments, two cables and OVF-1

Detailed information about test adapters, cables and fiber-optic couplers can be found in separate data sheet: "JDSU fiber-optic test adapters and cables".

Ordering information

Delivery contents

OMK-5 optical test case	
OLS-5	Optical light source (LED) 8650/1300 nm and operating manual
OLP-5	Optical power meter (-60 to +5 dBm) and operating manual
K 3027	Multi-mode test cable (50/125 µm)
Cleaning sticks and tissues	
4 batteries	Mignon AA 1.5 V
2 belt bags	
MK-5	Transport case with inlay space for OVF-1 (visual laser source)

OMK-6 optical test case	
OLS-6	Optical laser source 1310/1550 nm and operating manual
OLP-6	Optical level meter (-65 to +10 dBm) and operating manual
K 31xx	Single mode test cable (9/125 µm)
Cleaning sticks and tissues	
4 batteries	Mignon AA 1.5 V
2 belt bags	
MK-5	Transport case with inlay space for OVF-1 (visual laser source)

OMK-7 optical test case	
OLS-6	Optical laser source 1310/1550 nm and operating manual
OLP-8	Optical level meter (-50 to +23 dBm) and operating manual
K 31xx	Single mode test cable (9/125 µm)
Cleaning sticks and tissues	
4 batteries	Mignon AA 1.5 V
2 belt bags	
MK-5	Transport case with inlay space for OVF-1 (visual laser source)

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