

OPM-50 Intelligent Optical Power Meter

- ◆ Automatic wavelength identification
- ◆ Remote reference value setting
- ◆ FTTx applicable
- ◆ Internal clock & fiber S/N editable
- ◆ Memory of 1000 test records
- ◆ Data Transfer to PC via USB
- ◆ USB power charging
- ◆ No warm-up, quick start
- ◆ Backlight
- ◆ 70 hours continuous operation
- ◆ Pocketsize, lightweight and easy-to-use
- ◆ CE FCC certificates



OPM-50 paired with SLS-50 Intelligent Stabilized Laser Source can be used to identify fiber, measure attenuation and loss, verify continuity and evaluate fiber link transmission quality.

Automatic Wavelength Identification

Compatible with the digital encryption protocols of SLS-50, OPM-50 can automatically identify the wavelength of the optical signals transmitted from SLS-50 and switch to the corresponding test mode, which greatly reduces the workload at both ends and avoids potential error.

Remote Reference Value Setting

OPM-50 can receive the power parameters of digital-encrypted signal transmitted from SLS-50 as reference for precise link loss measurement even the two units are far apart.

Internal Clock & Fiber S/N Editable

Internal clock enables OPM-50 to save test data with time and editable fiber SN information.

Compatible with FTTx Test

OPM-50 can be applied to measure Triple-play signals (1310nm, 1490nm and 1550nm) on Passive Optical Network (PON).

Specifications

Model	OPM-50	
	A	B
Calibrated Wavelength ⁽¹⁾	850,1300,1310,1490,1550,1625nm	
Power Range (dBm) ⁽²⁾	-70 ~ +10	-50 ~ +27
Fiber Type	Singlemode/Multimode fibers	
Detector Type	InGaAs	
Accuracy	± 5% ± 0.01nW (±0.5dB@850nm)	±5% ±1nW (±0.5dB@850nm)
Resolution (dB)	0.01	
MOD Identification	270, 1K, 2K Hz	
Auto Wavelength Identification	Yes (With SLS-50)	
Display Unit	W/mW/μW/nW/pW/dBm/dB(REF)	
Data Storage	1000 records	
Connectivity	USB	
Connector ⁽³⁾	FC (Interchangeable SC/ST)	
Power Supply	Lithium Battery/ AC Adapter	
Battery Life	Continuous operation: 70 hours	
Power Saving	Auto-off after 5 minutes idle	
Operating Temperature	0°C ~ 50°C (32 ~ 122 F)	
Storage Temperature	-20°C ~ 70°C (-4 ~ 158 F)	
Relative Humidity	0 ~ 95% (Non-condensing)	
Weight	315g (0.69 lbs)	
Dimensions (H x W x T)	177x80x44mm (6.97x3.15x1.73 inch)	

Note: (1) Other wavelengths are open for customization;
 (2) For Model A at 850nm, the lower limit of measurement range is -60 dBm (Model A) / -40dBm (Model B);

* Specifications subject to change without notice

Ordering Information

Standard Package Includes:

Instrument, Lithium battery, AC adapter, USB cable, OPM data analysis software CD, Soft carrying case, Warranty card, CE certificate, Certificate of calibration, User manual.

