

## 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 when 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 <sup>(1)</sup>	850,1300,1310,1490,1550,1625nm	
Power Range (dBm) <sup>(2)</sup>	-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 <sup>(3)</sup>	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.



