

OPM

Optical Power Meter

— A cute tool for optical network test

The ShinewayTech OPM series of optical power meters are compact, lightweight and easy-to-use testing instruments for optical fiber network, with unique characteristics of quick testing. Widely favored for their quality, value, reliability, accuracy and safety.

The pocketsize OPM series can support accurate testing of single mode and multimode optical fiber systems, with features of large LCD display, damp and shock proof design and dual-way powering system. The internal microprocessor and linear amplifier technology ensure the long-time accuracy. Besides, OPM-2x has a large memory capacity of 3200 records and can transfer the measurement data to a PC for editing and printing.

Ideal for both laboratory and field applications by using concise function keys to implement quick, high accuracy testing. Under the situation of laboratory, LANs, WANs and CATV as well as long-distance optical network, the Optical Power Meters, together with ShinewayTech's Stabilized Laser Sources, can be used to identify optical fiber, measure optical attenuation, verify continuity and evaluate fiber link transmission quality.

Features

- Pocketsize, large easy to read LCD display, easy to use
- Fast response, no warm up
- Direct loss measurement units in dB
- Absolute power measurement units in dBm and or μ W
- Interchangeable fiber-optic adapters (FC, SC or ST)
- Dual-way powering system
- Damp, dust and shock proof design
- PC software available for testing data collection and report generation (only available for OPM-2x)
- Auto off function conserving battery life
- CE, FCC certificates



Technical Specifications

Calibrated	OPM-10		OPM-15		OPM-25	
	A	B	A	B	A	B
Wavelength(nm)	850,1300,1310,1550		850,1300,1310,1490,1550		850,1300,1310,1490,1550,1625	
Meas.Range (dBm) ⁽¹⁾	-70~+10		-70~+10		-70~+10	
	-50~+27		-50~+27		-50~+27	
Functions	W μ W/dBm/Mod. Identify				W μ W/dBm/dB(REF)/ Mod. Identify	
Data Storage	N/A				3000 records	
Data Transmission	N/A				RS-232	
Detector Type	InGaAs					
Range of Use	Single/multiple mode fiber					
Connector Type	FC/PC (interchangeable SC,ST)					
Accuracy	\pm 0.25 dB (5%) @25°C& -10dBm (\pm 0.5 dB@850nm)					
Resolution (dB)	0.01					
Auto Shut Off	5 minutes after last key has been depressed					
General Specifications						
Power Supply	9V Alkaline battery (450mAh) / optional 9V AC adapter					
Battery Life	40hrs. Typical operation with 9V Alkaline					
Operating Temp.	0°C ~ 50°C					
Storage Temp.	-20°C ~ 70°C					
Relative Humidity	0 ~ 95% (non-condensing)					
Weight	0.66 lbs (300g)					
Dimension (H x W x T)	5.7 x 2.9 x 1 inch (145 x 75 x 25mm)					

Note: (1) For 850nm, the lower limit of measurement range is -60 dBm.

Specifications subject to change without notice;

Ordering Information

Standard Configuration:

Instrument, 9V alkaline battery, OPM data analysis software disk(for OPM-25), Data transfer cable(for OPM-25), Rubber boot, Warranty card, CE certificate, Certificate of Calibration, User's manual.

Optional Accessory:

Part Description	Part Number(P/N)	Part Description	Part Number
3 m, optical patch cord	AC-FJC-03-FC/FC	50 m, optical patch cord	AC-FJC-50-FC/FC
SC connector for PM	AC-CONN-SC-P-300	AC adapter for US	AC-ADPT-10-US
ST connector for PM	AC-CONN-ST-P-300	Compact carrying softbag	AC-PB-10