OPM-50 Intelligent Optical Power Meter   FTTx

Features

◆ 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
◆ 125 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 risk of 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).

Model	OPM-50	
	A	**B**
Calibrated Wavelength	850,1300,1310,1490,1550,1625nm	
Application Range	Singlemode/Multimode optical fibers	
Power Range (dBm) [1]	-70 ~ +10	-50 ~ +27
Accuracy	±0.25 dB (5%) @25ºC & -10dBm (±0.5 dB@850nm)	
Resolution (dB)	0.01	
MOD Identification	270,1K,2K Hz	
Auto Wavelength Identification	Yes (With SLS-50)	
Display Unit	W/mW/dBm/dB(REF)	
Data Storage	1000 records	
Connectivity	USB	
Power Saving	Auto-off after 5 minutes idle	
Detector Type	InGaAs	
Connector [2]	FC (Interchangeable SC/ST)	
Power Supply	Lithium Battery/ AC Adapter	
Battery Life	Continuous operation ≥125 hours; Standby ≥250hours	
Weight	315g (0.69 lbs)	
Dimensions (H × W × T)	177×80×44mm (6.97×3.15×1.73 inch)	

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

(2) OPM models with ϕ1000μm detector are available with:
FC/SC/ST/DIN/E2000/LC/Universal 1.25mm/Universal 2.5mm connectors.

* Specifications subject to change without notice

Ordering Information

(2)OPM models with Φ1000μm detector are available with:
FC/SC/ST/DIN/E2000/LC/Universal 1.25mm/Universal 2.5mm connectors.

Standard Configuration:

Instrument, Lithium battery, AC adapter, USB cable, OPM data analysis software CD, Soft carrying case,

Warranty card, CE certificate, Certificate of Calibration, User's manual.

Optional Parts

Part Description	Parts Number (P/N)	Part Description	Parts Number (P/N)
3-meter Optical Fiber	AC-FJC-03-FC/FC	ST OPM Connecter	AC-CONN-ST-P-300
SC OPM Connecter	AC-CONN-SC-P-300		

(1) For Model A at 850nm, the lower limit of measurement range is -60 dBm.