

FHP2 Series Optical Power Meter



Description:

FHP2 Series Optical Power Meter is the advanced version of OPM series. It is more functional and intelligent. Under the situation of laboratory, LANs, WANs and CATV as well as long distance optical network, Optical Power Meters, together with Grandway's Stabilized Optical Laser Sources, can be used to identify optical fiber, measure optical attenuation, verify continuity and evaluate fiber link transmission quality.



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Auto-wavelengths Recognition:

FHS2D02 Optical Laser Source can transmit with a wavelength identification digital encrypted protocol, enabling FHP2 Series Optical Power Meter to automatically switch to the proper calibration wavelength. This feature reduces the need for communication between the two technicians and decreases the possibility of making mistakes.

Referencing Function:

Signal encrypting can also give the receiving end information on the power to be used as reference, helping ensure efficient referencing, even when the two units are far apart.

Computer Supported:

Memory capacity of 1,000 data items; enables data transfer to a PC via USB connection. With the software, the datasheet can be saved as excel or txt, and print out directly.

Testing Range:

Maximum testing range up to 150km (when using Grandway's FHS2D02 Optical Laser Source with Grandway's FHP2A04 Optical Power Meter).

Feature:

1. Integrated with high performance optical detector
2. LCD backlight for easy operation in darker environments
3. Two powering systems: internal rechargeable batteries or AC adaptor
4. Wide dynamic range and high power measurement capability
5. High accuracy and stabilized
6. Auto-off function: saves the power and low power consumption allows extended operation in the field
7. Recommended calibration interval



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Specification:

Model	FHP-2A04	FHP-2B04
Calibrated Wavelength	850/1300/1310/1490/1550/1625nm	
Detector Type	InGaAs	
Accuracy	$\pm 0.2\text{db} \pm 1\text{nW}$	$\pm 0.2\text{db} \pm 10\text{nW}$
Resolution	0.01dB	
Linearity	$\pm 5\%$	
Auto Power-off	Yes	
Back-light	Yes	
Reference Value	Yes	
Connector	Interchangeable FC/PC, SC/PC	
Measuring Range	-70 to +10dBm @1550nm	-50 to +26dBm @1550nm
USB Interface	Yes	
Data Storage	Yes	
Wavelength Recognition	Yes ($\geq -40\text{dBm}$)	Yes ($\geq -20\text{dBm}$)
Tone Detection	270, 1k, 2kHz ($\geq -40\text{dBm}$)	270, 1k, 2kHz ($\geq -20\text{dBm}$)
Operating Temperature	-10 to +50°C	
Storage Temperature	-20 to +70°C	
Power supply	2pcs*Ni-MH AA (2500mAh); USB cable	
Dimension	160L*76W*45mmH	
Net Weight	270g	
Standard Accessories:		
	FC/PC adapter, SC/PC adapter, 2*AA rechargeable batteries, USB cable, test report, carrying bag, CD software, user manual	
Optional Accessories:		
	interchangeable ST adapter (model: N000500); male FC to female LC adapter for LC connector (model: HD078)	