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.

Features

- Integrated with high performance optical detector
- Auto-wavelength Recognition:
  The FHS2D02 and FHS2D03 units can transmit with a wavelength identification digital encrypted protocol,enabling the FHP2 Series Power Meter to automatically use the proper calibration parameters.This feature reduces the need for communication between the two technicians and decreases the potential error.
- LCD backlight for easy operation in dark environments
- 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.
- Memory capacity of 1000 data items,enables data transfer to PC
- USB connection
- More connectors are optional and interchangeable to the user
- Two powering systems:Internal rechargeable batteries or USB cable
- Wide dynamic range and high power measurement capability
- High accuracy and stability
- Auto-off function

Specification

FHP2 series laser source

	FHP2A04	FHP2B04
Calibrated Wavelength(nm)	850/1300/1310/1490/1550/1625	
Working wavelength(nm)	800~1700nm	
Detection range	-70~+10dBm @1550	-50~+26dBm @1550
Detector Type	InGaAs	
Connector	FC/PC and SC/PC (interchangeable)	
Accuracy	±5%±1nW	±5%±10nW
Resolution	0.01dB@-60 to +10dBm 0.1dB@-70 to -60dBm	0.01dB@-40 to +26dBm; 0.1dB@-50 to -40dBm
Linearity	±5%	
Auto Power-off	Yes	
Back-light	Yes	
Reference Value	Yes	
Measuring Range(dBm)	-70 to +10	-50 to +26
USB Interface	Yes	
Data Storage	Yes	
Wavelength Recognize	Yes	
Tone Detection(Hz)	270,1K,2K	
Operating Temperature	-10to+50℃	
Storage Temperature	-20to+70℃	
Power Supply	2pcs*Ni-MH AA(2500mAh);USB cable	
Dimension(mm)	160L*76W*45H	
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)

Part Number	Description
FHP2A04	Optical power meter, 850/1300/1310/1490/1550/1625nm, FC/PC connector, -70 to +10dBm, with USB, data storage and wavelength recognition functions

Part Number	Description
FHP2B04	Optical power meter, 850/1300/1310/1490/1550/1625nm, FC/PC connector, -50 to +26dBm, with USB, data storage and wavelength recognition functions