General Description:

The FHP series of Power Meter are designed for use with an Optical Source for performing optical loss measurements on fiber optic cables. FHP1 series are designed for the low budget. It can meet the the basic demand in real testing. With the smaller size and weight, it is easier to take in real testing.

Specifications:

	FHP1A02	FHP1B02
Calibrated Wavelength (nm)	850/1300/1310 /1490/1550/1625	
Detector Type	InGaAs	
Connector	Interchangable FC,SC,ST,2.5mm Universal for PC/APC	
Accuracy [1]	± 0.35dB±10nW	
Resolution	0.01dB	
Linearity	±5%	
Auto Power Off	Yes	
Back Light	Yes	
Reference Value	Yes	
Measuring Range(dBm)	-60 to +3	-40 to +23
USB Interface	N/A	
Data Storage	N/A	
Wavelength Recognize	N/A	
Tone Detection (Hz)	N/A	
Operating Temperature	-10 to +50℃	
Storage Temperature	-20 to +70℃	
Power Supply	Li-ion Battery; 5V AC/DC Adaptor	
Dimension (mm)	115L*62W*30H	
Net Weight	140g	

Note: [1] Valid at 1550nm, CW,23±3℃, Relative Humidity ≤70%, with an FC connector.

Ordering Information:

Standard Accessories:
FC/PC,SC/PC,ST/PC interchangeable connector, Manual, Carrying Bag, worldwide compatible AC/DC adapter, Test Report.

Optional Accessories:

Description	Ordering Number	Description	Ordering Number
E2000 Adaptor	FHP-E2000	2.5mm Universal Adaptor	FHP-U2.5
LC Adaptor	FHP-LC	1.25mm Universal Adaptor	FHP-U1.25
		Aluminium Carrying Box	FH-PS

NOTE: PLEASE CONTACT GRANDWAY FOR AVAILABILITY AND LEAD TIME.

General Description:

The FHS series offer excellent stability and portability for accurate fiber optic testing. Single output port provides stable laserpower at dualwavelength. The compact unit operates in either continuous wave (CW) mode or modulated mode. A low battery indicator reminds the user of replacing the battery.

Specifications:

	FHS -1D02	FHS -1D03
Output wavelength (nm)	1310 & 1550	850 & 1300
Emitter Type	LD	
Connector	FC/PC	
Output Stability [1]	Short Term(15minutes):<0.1dB Long Term(5Hours or above):<0.2dB	
Central Wavelength	1310±20nm & 1550±20nm	850±10nm & 1300±20nm
Spectral Width	5nm	
Output Frequency (Hz)	270,1K,2K	
Output Power	-5dBm±1dB	
Auto Power-off	Yes	
Back-light	Yes	
Operating Temperature	-10 to +50℃	
Storage Temperature	-20 to +70℃	
Power supply	Li-ion Battery;5V AC/DC Adaptor	
Dimension (mm)	115L*65W*30H	
Net Weight	140g	

Note: [1] Valid at 1550nm, CW, 23±3°C ,Relative humidity≤70%, with FC/PC connector.

Ordering Information:

Standard Accessories:
FC/PC, ST/PC,SC/PC interchangeable connectors , Manual, Carrying Bag, and Battery, worldwide compatible AC/DC charger, Test report.

Optional Accessories:

Description	Ordering Number	Description	Ordering Number
FC/APC Connector	FHS-FC/APC	Aluminium Carrying Box	FH-PS
SC/APC Connector	FHS-SC/APC		

Optional adapters:

FC/PC male -ST/APC female Adapter	FC/PC male -SC/APC femaleAdapter	FC/PC male -LC/PC female Adapter
FC/PC male -FC/APC female Adapter	FC/PC male -MU/PC female Adapter	Others connector adaptors

NOTE: PLEASE CONTACT GRANDWAY FOR AVAILABILITY AND LEAD TIME.

General Description:

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

Auto-Wavelength Recognition:
The FHS2D02 and FHS2D03 units can transmit with a wavelength-identification digital encrypted protocol,enabling the FHP2 Power

Meter to automatically use the proper calibration parameters. This feature reduces the need for communication between the two technicians and decreases the potential for error.
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 1000 data items; enables data transfer to a PC via USB connection. With the software, the date sheet can be saved as excel or txt, and print out directly.

Features:

- Referencing function
- Memory capacity of 1000 data items, enables data transfer to a PC via USB connection
- LCD backlight for easy operation in darker environments
- More connectors are optional and interchangeable by the user
- Two powering systems: Internal rechargeable batteries or AC adaptor
- Wide dynamic range and high power measurement capability
- High accuracy and Stabilized
- Auto-off function: saves the power and low power consumption allows extended operation in the field
- Three-year warranty and recommended calibration interval

Specifications:

	FHP2A02	FHP2A04	FHP2B02	FHP2B04
Calibrated Wavelength (nm)	850/1300/1310 /1490/1550/1625			
Detector Type	InGaAs			
Accuracy ①	± 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	N/A	Yes	N/A	Yes
Data Storage	N/A	Yes	N/A	Yes
Wavelength Recognize	N/A	Yes	N/A	Yes
Tone Detection (Hz)	270,1K,2K			
Operating Temperature	-10 to +50 ℃			
Storage Temperature	-20 to +70 ℃			
Power Supply	2pcs * Ni-MH AA(2500mAh); 6V AC/DC adaptor			
Dimension (mm)	160L*76W*45H			
Net Weight	270g			

Note①: Valid at 1550nm, CW,23±3℃, Relative Humidity ≤70%, with an FC connector.

Ordering Information:

Standard Accessories:
FC/PC,SC/PC,ST/PC interchangeable connector, Manual, Carrying Bag, Software (CD), USB cable, AC/DC adapter, Test Report.

Optional Accessories:

Description	Ordering Number	Description	Ordering Number
MU Adaptor	FHP-MU	2.5mm Universal Adaptor	FHP-U2.5
E2000 Adaptor	FHP-E2000	1.25mm Universal Adaptor	FHP-U1.25
LC Adaptor	FHP-LC	Aluminium Carrying Box	FH-PS

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