



User's Guide to the FHP12 Mini Optical Power Meter



www.grandway.com.cn

WWW.GRANDWAY.COM.CN

Product: Optical Power Meter

Type: FHP12 series

Manufacturer: Grandway

Origin: shanghai

Application: maintenance and test of telecommunication line, cable manufacturer, test of FTTx

Description

FHP12 Pen type optical power meter has compact structure and stable performance, ensure high measuring precision of 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm wavelengths. Use together with GS series optical source could accurately measure the loss of fiber, cable and other passive optical device.



1

Features

- Imported sensor head .
- 2.5mm universal interface(support FC/SC/ST connectors).
- Low power consumption , continuously work more than 80 hours .
- Linear optical power and logarithmic power display.
- Power remains indication. Relative value measurement function.
- Compact and portable design.

2

WWW.GRANDWAY.COM.CN

Specification

Type	FHP12-A	FHP12-B
Display Range	+10~-70dBm @1550nm	+26~-50dBm @1550nm
Resolution(dB)	0.01	
Calibrated Wavelength(nm)	850/1300/1310/1550/1490/1625	
Sensor Type	InGaAs	
Accuracy ^①	0.35dB ±1nW	0.35dB ±10nW
Working Wavelength(nm)	800~1700	
Continuous Working Hours ^②	About 80 hours(stand-by time: About 1600hours)	
Power Source	Operates with two AAA batteries	
Working Temp	-0~+40°C; <90%RH	
Storage Temp	-20~+70°C; <90%RH	
Accessory	2 pieces of AAA batteries, Quick guide, Packing box, Carrying case	
Dimension	L120mm*W33mm*H30mm / About70g	

Note:

① With1550nm mode, under 23°C±3°C test condition

② New battery, under23°C±3°C test condition

3

Control Panel



4

Num.	Icon	Description
1	850/1300/1310/ 1490/1550/1625nm	Display current wave length
2	-51.99dBm	Display current power value
3		Indicate remaining capacity of batteries
4		Power Switch: long press($\geq 2s$) to turn on/off the power; short press($\leq 1.5s$) to turn on/off backlight
5		Fn button: short press($\leq 1.5s$) to switch between wavelengths long pres($\geq 2s$) to set reference value
6	Interface	2.5mm standard interface
7	Dust Cap	Resist dust for interface
8	Battery Compartments	Install with 2*AAA batteries

5



Shanghai Grandway Telecom Tech. Co., Ltd.

Add: 6F, Xin'an building No. 99 Tianzhou Road Shanghai, 200233 P.R. China
 Tel: 0086-21-54451260/61/62/63
 Fax: 0086-21-54451266
 E-mail: overseas@grandway.com.cn
 Technical Support email: gwservice@grandway.com.cn
 Website: www.grandway.com.cn