# User's Guide to the FHP2G01

*Down-Stream Power Meter*

www. grandway. com. cn

## Features

- Equipped with high performance imported light detector
- 1270/1310/1490/1550/1577/1625nm 6-wavelength power measurement
- 10GEPON downlink 1490nm and 1577nm sub-wave measurement, with the screen display
- 10GEPON downlink 1490nm and 1577nm threshold setting, Display result as FAIL/WARNING/PASS
- Equip with 10mW VFL
- With automatic range conversion, low battery display and automatic shutdown
- Built-in charging circuit,backlighting
  999 groups data storage, with USB ports and PC software

## Description

FHP2G10 mainly used in FTTH fiber access network installation and test maintenance. It not only has the functions of the general optical power meter, but also has the down-stream 1577nm and 1490nm wavelength demultiplexing power measurement functions designed specifically for 10GEPON/XGPON, and displays the respective power values of the two wavelengths in the same screen, so that the dimensioning personnel It can truly grasp the power value of a single wavelength optical signal on the line, and can accurately determine whether the optical power value meets the standard.

## Features

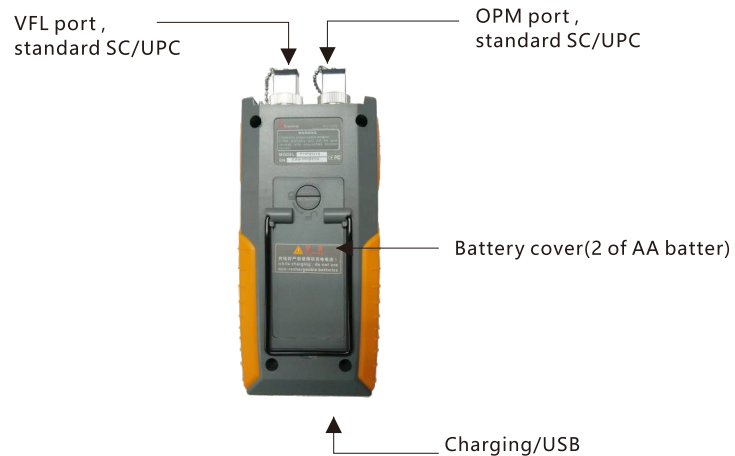| Model | FHP2G10 |
|---|---|
| Connector Type | OPM port:universal connector,standard SC/UPC ;<br>VFL port:universal connector,standard SC/UPC |
| Calibrated Wavelength | 1270/1310/1490/1550/1577/1625nm |
| Test Range | -40~+10dBm |
| Test Accuracy | ±0.5dB |
| Display Resoultion | 0.01 |
| Insolation | 1490nm>35dB;1577nm>35dB |
| VFL | 650nm±10nm ; 10mW;CW/2Hz |
| Date Storage | 999 |
| Date Transfer | Mini USB |
| Power Supply | 2 of AA Battery |
| Working Temp | -10℃~+50℃ |
| Storage Temp | -20℃~+70℃ |
| Dimension | 160L×76W×45H(mm) |
| Weight | 300g |

# Operation

| NO. | Key | Function |
|---|---|---|
| 1 | ON/OFF | The switch machine key.Press the button for startup time(>2s) to screen the automatic shutdown function. |
| 2 | λ | Wavelength switch key |
| 3 | LOAD | Storage key.In the main mode,press the button for startup time(>2s) can store the current measured light power value.Press to view test history. |
| 4 | ☀ | Backlight on key,used to turn backlight on/off.In the main mode,press the button for startup time(>2s) can turn on VFL function. |
| 5 | dBm/dB/mw | Unit switch key.Switches measurement unit among dBm,dB and mw.Press the button for startup time(>2s) can perform threshold Settings. |
| 6 | REF | Press in main mode to view the current valid REF value.Press the button for startup time(>2s) can store the current optical power value as the reference value. |

## Maintenance

➲ Please disconnect the DC adapter/charger and cover the protective dust cap once you finish using.

➲ It is a good idea to clean the connector and the instrument when they get dirty through use. Optical cleaning pads and anhydrous alcohol is recommended. And please be careful not to get the detergent inside the instrument.

➲ To ensure the measurement accuracy, please send the instrument to Grandway Service Center for calibration once a year.

# Back

VFL port , standard SC/UPC

OPM port , standard SC/UPC

Battery cover(2 of AA batter)

Charging/USB