

General Description:

The industry's advanced PON-specific power meter, the FHP3P01 is the flagship of Grandway line of test instruments specifically intended for FTTH and FTTP systems. The FHP3P01 is the ideal tool for FTTH/FTTP service activation and troubleshooting.

Service Activation Testing:

Optimizing network reliability requires that all PON signals be measured all the way through service activation to ensure they meet established standards. The FHP3P01 offers the features to address this need:

- Pass-through connection for ONT signal measurement and simultaneous measurement of all PON signals
- Filtered detectors for individual measurement of each wavelength
- Upstream burst detection at 1310 nm

Troubleshooting Testing:

Throughout the maintenance phase, various transmission problems-fiber cuts, damaged/dirty connectors, macrobendings, optical transmitter failure, etc.-may ultimately cause signal loss or degradation. Benefit from the FHP3P01 troubleshooting functionalities:

- Quick, on-site test and measurement of PON signals, anywhere on the network
- Fault identification and isolation



Specifications:

Measurement Range (Continuous Datastream)	1310nm -40dBm~+10dBm	1490nm -50dBm~+15dBm	1550nm -50dBm~+20dBm
Burst measurement range (1310nm bursted signal)	-32dBm~+10dBm		
Spectral Passband	1310nm 1260nm~1360nm	1490nm 1480nm~1550nm	1550nm 1539nm~1565nm
Insertion Loss	1.5dB		
Accuracy ①	±0.5dB		
Linearity	±0.2dB		
Data Storage	1000Sets		
Display	2.8 inch TFT LCD		
Refresh Rate of Display	2.5Hz		
Threshold	10 sets(configured via PC-based software)		
Auto Power-off	Yes		
Number of Ports	2(1 for ONU, 1 for OLT&.Video)		
Operating Temperature	-10 to +50°C		
Relative Humidity	0%~95%, non-condensing		
Power Supply	1.2V*4pcs Ni-MH AA; 12V AC/DC Adapter		
Battery life	>20 hours		
Dimension	190mm*105mm*55mm(L*W*H)		
Net Weight	700g		

NOTE: ① Valid at 1550nm, CW, 23±3°C, Relative Humidity≤70%, with an FC connector.

Features:

- Hand-held and battery operated
- TFT LCD Display with high resolution
- Filtered measurements with distinct power display
- Simultaneous measurement and display power level of 1310, 1490, 1550 nm WL
- Pass/Fail function available. Up to 10 user defined threshold
- Ability to upgrade software through USB interface
- 1000 Sets Data Storage
- Software to generate Testing Report

Ordering Information:

Standard Accessories:

FC/PC, SC/PC, ST/PC interchangeable connectors, Manual, Carrying Bag, Software (CD), USB cable, AC/DC adapter, Test Report, Silicon Boot.

Optional Accessories:

Description	Ordering Number
FC/PC male -LC/PC female Adapter	FH-LC

NOTE: PLEASE CONTACT GRANDWAY FOR AVAILABILITY AND LEAD TIME.