

FHP3P01 PON Optical Power Meter



Description:

As the industry's advanced PON-specific power meter, FHP3P01 PON Power Meter is the flagship of Grandway's line of testing instruments specifically intended for FTTH and FTTP systems. It 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. 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 1310nm.

Troubleshooting Testing:

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

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

Features:

- Hand-held and battery operated
- FTF LCD Display with high resolution
- Filtered measurements with distinct power display
- Simultaneous measurement and display power level of 1310,1490,1550nm 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 Test Report

Specification:

Measurement Range (Continuous Datastream)	1310nm	1490nm	1550nm
	-40dBm~+10dBm	-40dBm~+10dBm	-40dBm~+20dBm
Burst Measurement Range (1310nm Bursted Signal)	-30dBm~+10dBm		
Spectral Passband	1310nm	1490nm	1550nm
	1260nm~1360nm	1480nm~1550nm	1539~1565nm
Insertion Loss	1.5dB		
Accuracy	±0.5dB		
Linearity	±0.2dB		
Data Storage	1,000 sets		
Display	2.8 inch TFT LCD		
Refresh Rate of Display	2.5Hz		
Threshold	10sets (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		
Standard Accessories:			
2*FC/PC adapters, 2*SC/PC adapters, 3*ceramic sleeves, 4*AA rechargeable batteries, AC/DC adapter, USB cable, test report, carrying bag, CD software, user manual			
Optional Accessories:			
2*ST adapters (model: N000500); male FC to female LC adapter for LC connector (model: HD078)			
Customization:			
2*FC/APC adapters, 2*SC/APC adapters			