3λPON

Revision & Date : PON30103

3-Lambda PON Power Meter

TheFibers 3-Lamda PON Power Meter (3λPON) is designed to measure both wavelength and optical power of 3 wavelength optical signals in FTTx, BPON, EPON and GPON. Also Optical Insertion Loss Measurement is available. 3λPON is used for optical installation and Maintenance with FTTH service activation & troubleshooting. 3λPON is suitable for outdoor field application.

Special Features

- Simultaneous measurement of 1310/1490/1550nm (Voice/Data/Video)
- Auto Wavelength Detection type (Don't need know wavelength before testing)
- Handheld compact size and lightweight and cost-effective and easy operation
- Applicable for wavelength optical network such as FTTH / PON
- Also Works as a typical Insertion Loss (I/L) meter
- Pass/Fail function available
- A robust, shock-proof, splash-proof design for field operation
- Data Storage upto 300 measurements

Specifications

Parameter	3λPON
PON Wavelength	ONU: 1310nm/Upstream OLT: 1490nm/1550nm/Downstream
Spectral Passband	1310+/-50nm (1260~1360nm) 1490+/-10nm (1480~1500nm), 1550+/-10nm (1540~1560nm)
Measurement Range	-50dBm ~ 10dBm
Accuracy	+/-0.5dB @-20dBm
Resolution	0.01dB
Unit	dBm, dB, nm
Fiber type	Singlemode 9/125um
Optical Interface	SC/PC (standard) or SC/APC or FC/PC or FC/APC
Operation Mode	Power Meter / Insertion Loss Meter
Photodetector type	InGaAs
Display	2.1 inch LCD (with LED backlight)
Battery	3.7V Rechargeable Lithium Ion Battery
Battery Life	25 hours (continuous usage)
Data Storage	300 measurements
Operating Temperature (Humidity)	-10 ~ +50 ℃ (0 ~ 90%)
Dimension	138 (H) x 73 (W) x 30 (D) mm
Weight	205g

Standard Package

P/N: **3λPON**

1 Power Meter (included Battery)
1 AC Power Adaptor / Battery Charger
1 Leather Pouch
1 Necklace
1 Manual
1 Case

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