

LP-3PX XG-PON Optical Power Meter

Description

The LP-3PX XG-PON power meter is a highly cost-effective, easy-to-use diagnostic tool to measure B-PON, E-PON and G-PON and next generation high speed 10G PON such as XG-PON and 10G-EPON networks.

Features

- ❖ Compatible with both GPON & EPON networks (up to 10G)
- ❖ Pass-through mode for simultaneous measurement and ONU/OLT verification
- ❖ USB port for data transmission
- ❖ Build-in VFL module and OPM module (optional)
- ❖ 10 thresholds setting
- ❖ Up to 1000 testing results storage

Specification



		Upstream (ONT/ONU)				Downstream (OLT)			
		1270nm	1310nm	1524~1544	1610nm	1490nm	1550nm	1577~1578	1596~1603
Spectral Passband (nm)		1260~1280	1290~1330	1330~1630	1330~1630	1480~1550	1540~1560	1573~1630	1573~1630
Calibration Wavelength(nm)		1270	1310	1534	1610	1490	1550	1577	1600
Measurement Range (dBm)	burst	-10~+13	-30~+13	-10~+13	-10~+13	--	--	--	--
	CW	-35~+13	-30~+13	-35~+13	-35~+13	-50~+13	-45~+30	-50~+17	-50~+17
Maximum Safe Power		16 dBm				17 dBm	30 dBm	20 dBm	
Isolation		30 dB ⁽¹⁾ ⁽²⁾ ⁽³⁾							
Power Uncertainty		0.5 dB ⁽¹⁾ ⁽⁵⁾							
Return Loss		50 dB ⁽¹⁾ ⁽⁴⁾							
Pass-through Insertion Loss		1.5 dB ⁽¹⁾							
Resolution		0.01 dB							

(1). Typical value @ 20+3°C, SC/APC connector

(2). No isolation between 1260nm~1280nm and 1330~1630 passband

(3). The same input direction of different spectral bandwidth

(4). At calibrated wavelength

(5). -5dBm input power, CW

General Information	
Connector	SC/APC or Customized
Power Supply	3 * AA batteries; AC/DC adaptor
Operating/ Storage Temp.	-10°C ~ 50°C / -20°C ~ 70°C
Dimensions (L*W*H)	170mm*82mm*35 mm

Standard Accessories	
SC/APC adapter, carrying bag, Manual (CD)	

VFL Module (optional)	
Output Wavelength (nm)	650
Output Power (mW)	10
Modulation Frequency	CW / 2Hz

OPM Module (optional)	
Calibrated wavelength (nm)	850/1300/1310/1490/1550/1625
Measuring Range (dBm)	-70 to +10 / -50 to +30 (optional)
Accuracy (dB)	±0.2 ⁽¹⁾ ⁽²⁾
Connector	FC/PC & 2.5mm universal

(1). Typical value @ 20+3°C

(2). -5dBm input power, CW