Pro XG-PON Power Meter

LNT-OPM-PX

LYNN's Pro XG-PON Power Meter is designed to quickly verify and trouble shoot GPON, EPON, XG-PON, and XGS-PON networks. Designed for speed and accuracy in the field, it enables in-line testing with customizable pass/fail thresholds, providing instant red/green visual indicators for fail-proof network validation. Capable of testing up to five wavelengths simultaneously and displaying real-time results, this tester provides time saving efficiency for technicians in the field.

- Ultra-thin portable design
- Compatible with GPON, EPON, XG-PON, and XGS-PON networks
- Pass-through mode for ONT/OLT testing
- Pass/Fail testing with warning tone
- 10 configurable threshold sets
- Up to 1000 testing results storage
- USB port for data transmission
- Built-in VFL or OPM module
- RJ45 cable tester and tracker module
- Built-in rechargeable Lithium battery
- USB Type-C port for charging

Included Accessories	• 2.5mm Universal (for OPM & VFL) • USB Cable	• RJ45 Cable Tester Remote Module (LNT-TRM)** • SC to LC Hybrid Adapter	
Optional Accessories	RJ45 Cable Tracker (LNT-CCT)		

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General Specifications

General	Port for Data Transmission	USB - Type C
	Operating/Storage Temperature	-10°C ~ 50°C / -20°C ~ 70°C Lithium Battery;
	Power Supply	USB Type C; 6-8 working hours
	Dimensions (L*W*H)	155mm * 80mm * 18mm (6.1in * 3.1in * 0.7in)
	Connector Type	SC APC
Power Meter Module	Calibration Wavelength	850/980/1270/1300/1310/1490/1550/1577/1625/1650nm
	Connector	2.5mm universal
	Power Uncertainty	±5%
	Modulation Freq. Detection	270Hz/330Hz/1KHz/2KHz
	Measuring Range	S: -70 to +10dBm H: -50 to +30dBm
RJ45 Remote Module (T1)	Line Sequence Test	8 core and shielded line
	Dimensions(L*W*H)	35mm * 41mm * 14.5mm (1.4in * 1.6in * 0.6in)

Technical Specifications

Technical	Display Units	dBm/dB/W (mW/uW/nW)
	Power Uncertainty[a,b]	±0.5dB
	Pass-Through IL[a,b]	1.5dB
	ORL[a]	50dB
	Threshold Sets	10 configurable threshold sets
	Data Storage	1000 groups

Port	Calibrated Wavelength	Spectral Passband	Measurement Range	Maximum Total Safe Power
Upstream ONT/ONU	1270 nm	1260- 1280 nm	Burst: -10~+13 dBm CW: -35~+13 dBm	16 dBm
	1310 nm	1260- 1360 nm	Burst: -30~+13 dBm CW: -30~+13 dBm	
	1534 nm	1330- 1630 nm	Burst: -10~+13 dBm CW: -35~+13 dBm	
	1610 nm	1330- 1630 nm	Burst: -10~+13 dBm CW: -35~+13 dBm	
Downstream OLT	1490 nm	1480~1500 nm	-50~+13 dBm	16 dBm
	1550 nm	1530- 1570 nm	-50~+26 dBm	30 dBm
	1577 nm	1573~1630 nm	-50~+17 dBm	20 dBm
	1600 nm	1573- 1630 nm	-50~+17 dBm	20 dBm

Note: (a) Typical value @ 20+3°C, 40%-60%RH. SC/APC connector.
(b) At calibrated wavelength, - 5dBm, CW