

JILONG
Since 1993



10G PON Power Meter

XPN-33



4.3-inch
touch screen



5-Wavelength
simultaneous testing



Automatic ONT/OLT
wavelength detection



RJ45 Wire sequencing
& Cable tracing



5000mAh high-
capacity battery



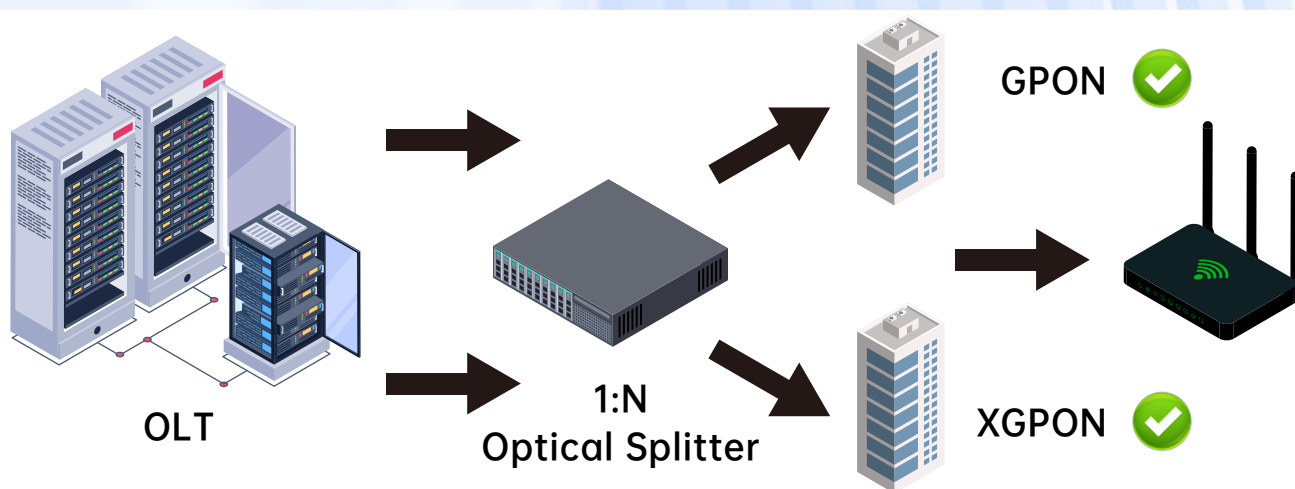
Built in
flashlight

◆ 10G PON Power Meter

10G PON power meter delivers simultaneous multi-wavelength (1270nm, 1310 nm, 1490nm, 1550 nm, 1577nm) measurement, clear Pass/Warn/Fail assessment, and fast field testing(Supports 10G PON (10G-EPON, XG-PON, XGS-PON and RF Networks)—the essential tool for installing and maintaining next-generation fiber access networks.

◆ Application scenarios

Applicable to EPON/GPON and 10G PON networks. Supports precise power measurement for OLT (1490 nm, 1550 nm, 1577 nm) and ONT (1270 nm, 1310 nm) wavelengths.



Field Installation & Maintenance



Network Troubleshooting



Equipment Monitoring

◆ Simultaneous 5-Wavelength Testing

One tool, all your optical tests. (FTTH Installation, Module Testing, System Maintenance).



◆ 4.3-inch Touch Screen

Advanced touch control adapts to any scenario, making expert-level operation accessible to all.



◆ RJ45: Wire sequencing & Cable tracing

Stop guessing. Instantly identify cable issues and solve network problems.



◆ Measure with Speed, Precision, and Reliability

Power values can be easily assessed from any network location, with all 10GPON signals measured and displayed, including voice, data, and video filtering capabilities.



◆ User-initiated Calibration

Calibrate on-site. Guaranteed accuracy. Assured network quality.



◆ Threshold Settings

Set up 1 threshold groups to analyze and display Pass / Fail stat.



◆ Type-C Charging

Universal power. Unpacked convenience.



◆ 5000mAh High-capacity Battery

No matter the environment. No interruptions to your work.



◆ Built-in lighting for easier operation

High-brightness built-in work light.
Enables effortless cable work in low light.



◆ All-Body Shock-Absorbing Rubber Casing

Rubber design reduces shock, falls, and bumps, protecting the machine.



◆ Hidden Holder Design

Tackle handheld inaccuracy. Boost your efficiency. Minimize operator fatigue.



◆ Product Configuration

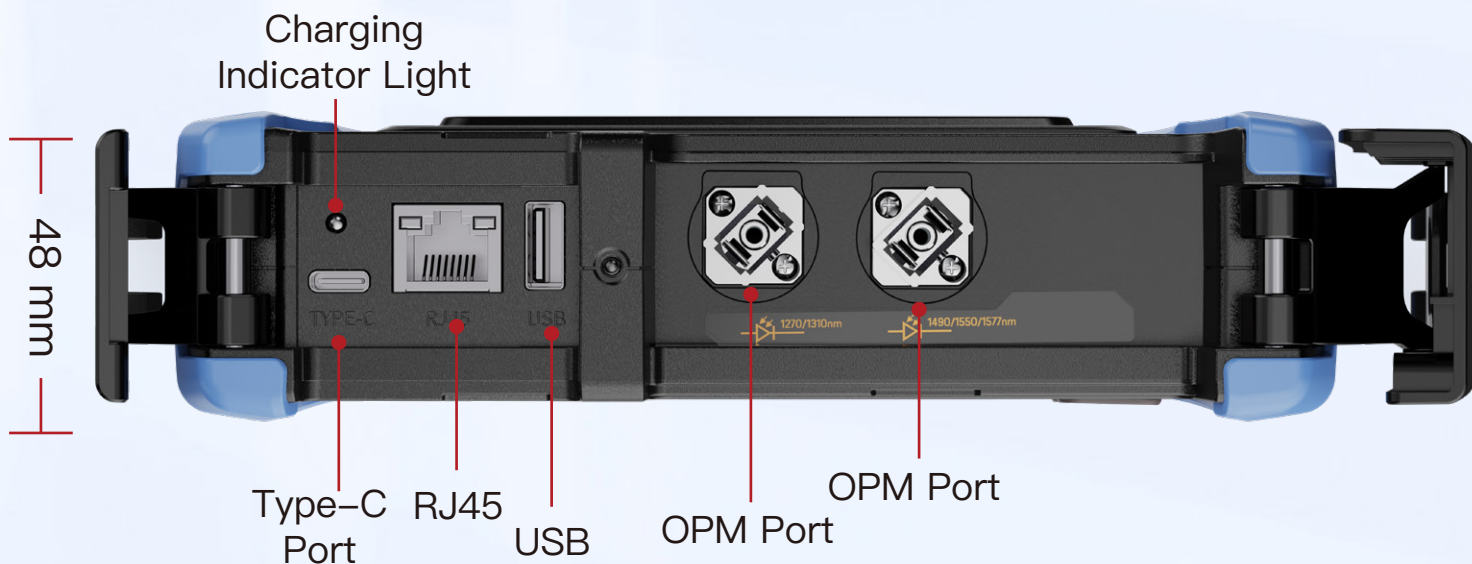
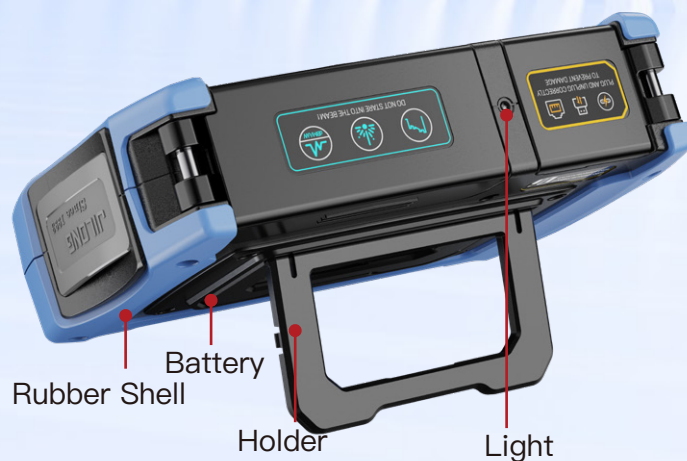
- ① Carrying Case x1
- ② XPN-33 x1
- ③ Power Cord x1
- ④ RJ45 Remote Module x1
- ⑤ Shoulder Strap x1



◆ Product Display

Front

Back



Parameters

	ONT		OLT		
Test Wavelength	1270nm	1310nm	1490nm	1550nm	1577nm
Spectral Passband	1260~1280(nm)	1290~1330(nm)	1480~1500(nm)	1540~1560(nm)	1573~1590(nm)
Power Test Range	-25~+10(dBm)		-40~+10(dBm)	-40~+25(dBm)	-45~+10(dBm)
Isolation with Filtering Function	1310nm Band >30dB	1270nm Band >30dB	1270n Band >40dB		
	1490nm Band >40dB		1310nm Band >40dB		
	1550nm Band >40dB		1550nm Band >30dB	1490nm Band >30dB	1490nm Band >40dB
	1577nm Band >40dB		1577nm Band >40dB	1577nm Band >30dB	1550nm Band >30dB
Burst Measurement Range	-25~+10(dBm)		×		
Maximum Input Power	10dBm		10dBm	25dBm	10dBm
Burst Measurement Error	<±0. 5dB		×		
Burst Test Function	CO to ONT				
Power Uncertainty	±0.2dB				
Power Stability	±0.1dB				
Through-Mode Insertion Loss	<1.5dB				
Inherent Uncertainty	0.25dB±1nW@1550nm				
Threshold Group	1 Configurable threshold groups				

OPM Module					
Test Wavelength	1270nm	1310nm	1490nm	1550nm	1577nm
Test Range	-25~+10(dBm)		-40~+10(dBm)	-40~+25(dBm)	-45~+10(dBm)
Calibration Wavelength	1270/1310/1490/1550/1577				
Power Uncertainty	0.2dB				

Network Test (Built-in Function)	
Test Wavelength	CAT5 CAT6
Test Range	300 m
Calibration Wavelength	300 m

General Parameters	
Pass/Fail Display	10min
Language	English, Chinese, Spanish, French, Portuguese, Russian, Thai, Korean
Optical Fiber Port	SC/UPC
Display Screen	4.3-inch color LCD display screen
Port	Charging Port x1, USB 2.0x1, RJ45x1
Working Temperature	-10~50℃ (0-40 ℃ for use with power, 0 to 35 ℃ battery charging)
Storage Temperature	-20 to 60℃
Height	4000 m
Humidity	0 to 90% RH
Power Mode	5V, 3A(DC Adapter)
Battery	5V, 5000mAh, ≥18.5Wh
LED Lighting	Light Intensity >15000mcd
Data Storage	Memory: 1000 power measurement records . External Storage: USB
Size	179 mm (W)x112 mm (H)x 48 mm (D)
Weight	0.6 kg(Unit + Battery)

Note: All specifications are based on measurements with a new battery at 23°C ± 2°C.

Contact us

Nanjing Jilong Optical Communication Co., Ltd

Add: No. 8, Huyue East Road, Longchi Street, Liuhe District, Nanjing, China

Web: www.JILONGOT.com

Mail: info@jilongot.com

TEL: +86 400 883 6695



Focus on official website for more