吉隆通信
JILONG
Since 1993

OPN-43

G PON *Power Meter*



- 5000mAh High-capacity Battery
- RJ45:Wire sequencing
- User-initiated Calibration
- 4.3-inch Touch Screen
- Handheld, Compact and Light
- Redesigned User Interface

GPON Power Meter

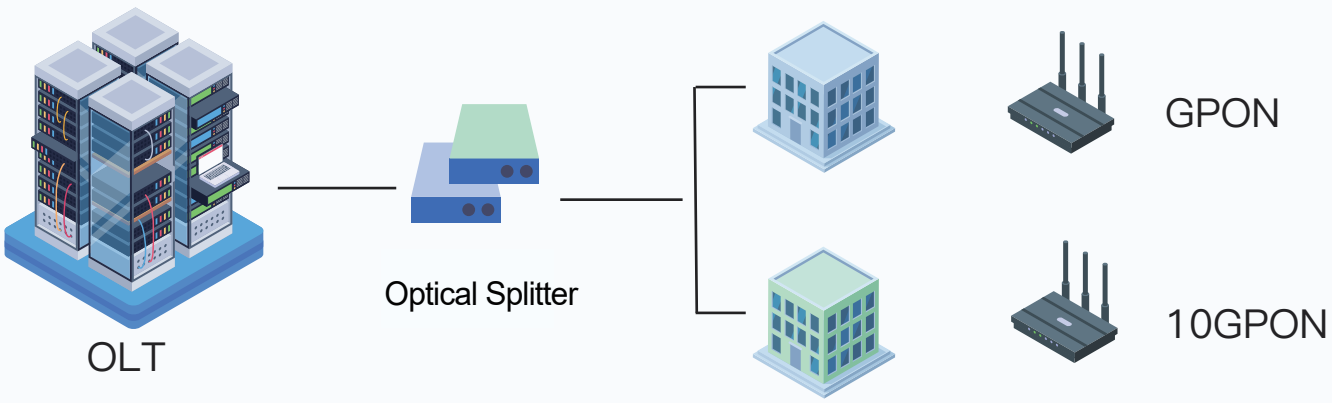
G PON power meter delivers simultaneous multi-wavelength (1310 nm,1490nm,1550 nm) measurement, clear Pass/Warn/Fail assessment, and fast field testing. It is primarily used for optical power measurement in fiber networks, with core applications including optical network equipment debugging, link loss analysis, and fault troubleshooting.

4.3" HD Capacitive Touchscreen



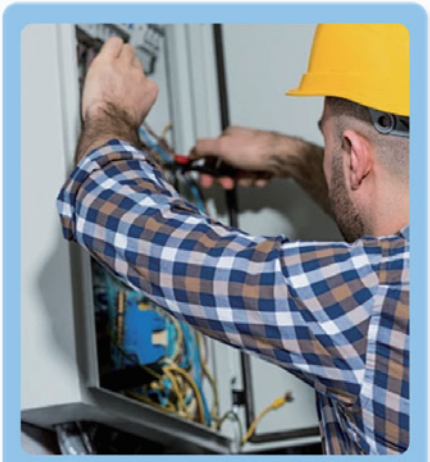
Applicable for FTTx Networks

Compatible GPON & 10G-PON

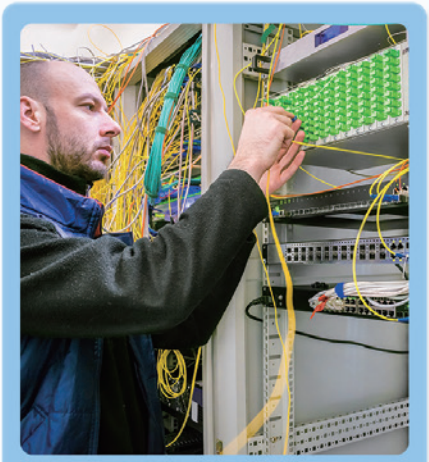


Applicable to EPON, GPON, and 10G PON networks.
Supports precise power measurement for ONT (1310 nm) and OLT (1490 nm, 1550 nm).

Application scenarios



Field Installation & Maintenance



Network Troubleshooting



Equipment Monitoring

Simultaneous 3-Wavelength Testing



Provide ***3*** different power values for wavelength testing

Threshold Settings



Set up ***1*** threshold groups to analyze and display Pass/Fail status with relative deviation values.

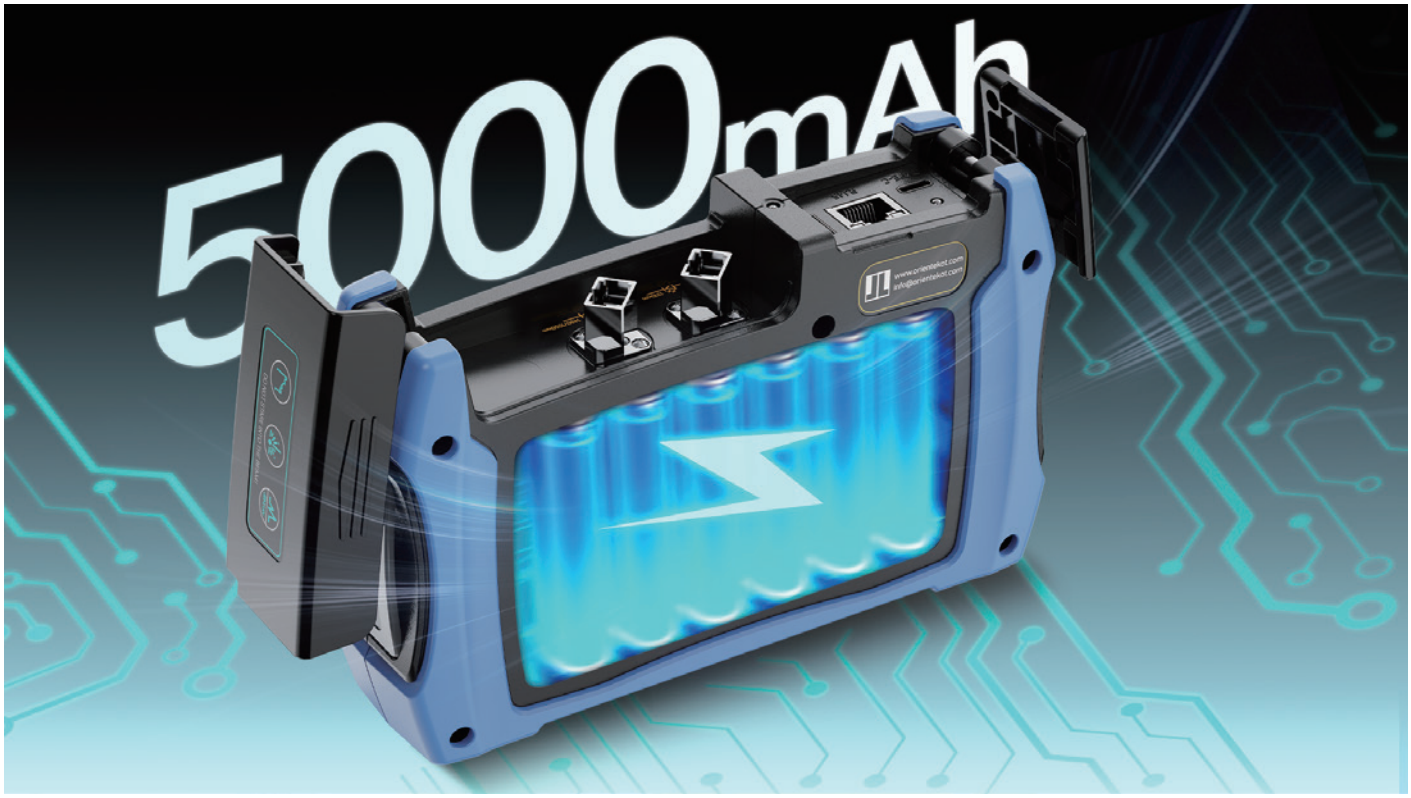
Network Testing

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



5000mAh High-capacity Battery

No matter the environment. No interruptions to your work.



User-initiated Calibration



Calibration Page



Select wavelength
for adjustment

Click → Adjust range based
on standard parameters

Built-in Lighting for Easier Operation

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



Type–C Charging

Universal Power, 99% Compatible.



All–Body Shock–Absorbing Rubber Casing

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



Handheld, Compact and Light



Default APC-SC Interface



Product Configuration

① Carrying Case x1

② OPN–43 x1

③ Power Cord x1

④ RJ45 Remote Module x1

⑤ Shoulder Strap x1



Product Display

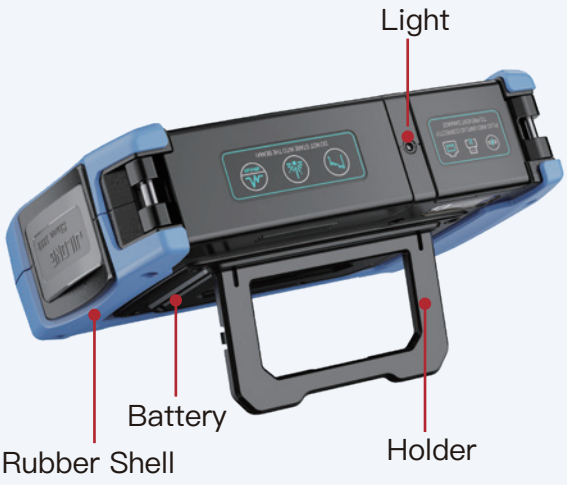
Front

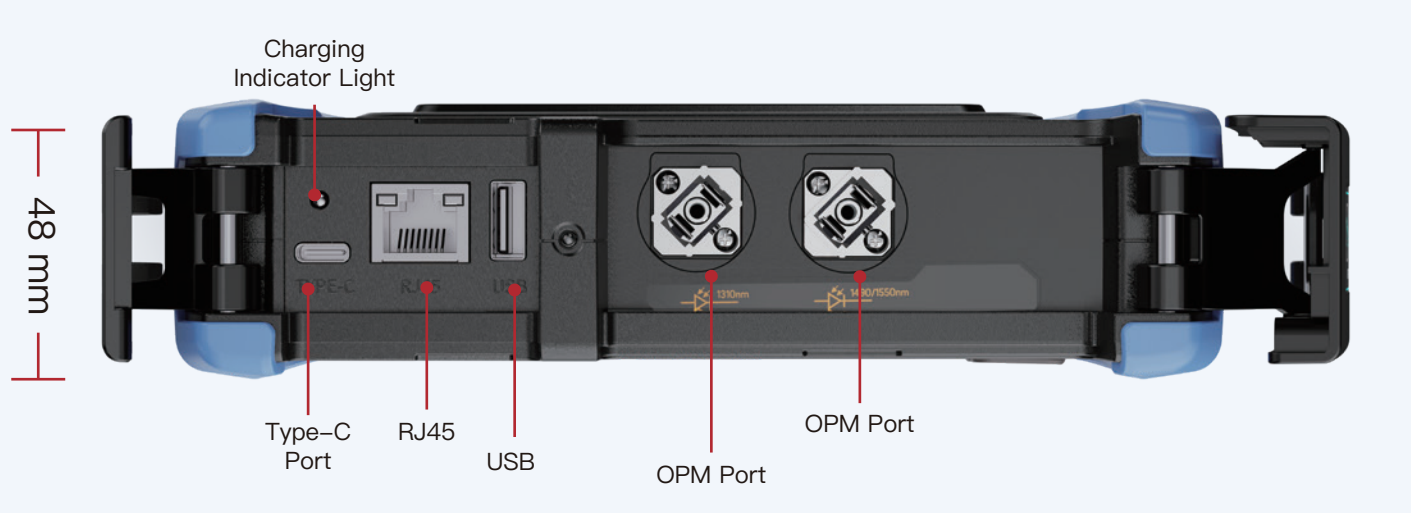


Back









Parameters

Test Wavelength	1310nm	1490nm	1550nm
Spectral Passband	1260~1360(nm)	1480~1500(nm)	1539~1565(nm)
Power Test Range	-35~ +10 (dBm)	-40~ +10 (dBm)	-40~ +25 (dBm)
Isolation with Filtering Function	1490nm band > 40dB	1310nm band > 30dB	1310nm band > 30dB
	1550nm band > 40dB	1550nm band>40dB	1490nm band > 40dB
Burst Test Function	CO to ONT		
Burst Measurement Range	-35~ +10 (dBm)	×	×
Power Uncertainty	0.2dB		
Power Stability	±0.1dB		
Insertion Loss in Through Path	<1.5dB		
Inherent Uncertainty	0.25dB±1nW@1550nm		
Threshold Group	1 configurable threshold groups		
Dual-port passthrough	1310/1490/1550(nm)		
ONT	1490nm		
OLT	1550nm		

OPM Module			
Test Wavelength	1310nm	1490nm	1550nm
Test Range	-35~ +10 (dBm)	-40~ +10 (dBm)	-40~ +25 (dBm)
Calibration Wavelength	1310/1490/1550(nm)		
Power Uncertainty	0.2dB		

Parameters

Pass/Fail	√
Language	English, Chinese, Spanish, French, Portuguese, Russian, Thai, Korean
Optical Fiber Port	APC-SC
Display Screen	4.3-inch color LCD display screen
Port	Charging Port x 1, USB 2.0 x 1, RJ45 x 1
Working Temperature	-10 - 50℃ (0-40 ℃ for use with power, 0 to 35 ℃ battery charging)
Storage Temperature	-20 to 60℃
Automatic shutdown time	10min
Height	4000 m
Humidity	0 to 90% RH
Power Mode	5V, 3A (DC Adapter)
Battery	3.7V, 5000mAh, ≥18.5Wh
Lighting	Light Intensity > 15000mcd
Data Storage	Memory: 1000 power measurement records External Storage: USB
Size/Weight	179 mm (W) × 112 mm (H) × 48 mm (D) / 0.6 kg (Unit + Battery)

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

Contact us

Nanjing Jilong Optical Communication Co., Ltd

Add: No. 8, Huyue East Road, Longchi Street, Liuhe District, Nanjing, Chir
Web: www.JILONGOT.com
Mail: info@jilongot.com
TEL: +86 400 883 6695

Focus on official website for more