JILONG
Since 1993




# Optical Multimeter OPM-43PM

- 4.3-inch touch screen
- Built-in OPM
- Built-in VLS
- Built-in RJ45
- 9 Calibration Wavelengths Available
- 5000mAh high-capacity battery

## Optical Multimeter

The Optical Multimeter is an integrated fiber optic test instrument that combines an optical power meter and a stable light source. It is primarily used for measuring optical power loss in fiber links and evaluating optical signal quality.

By delivering both light source output and power measurement in a single unit, it serves a wide range of applications—from telecom backbone networks and residential broadband to medical devices and research laboratories. With its precision measurement and user-friendly operation, the optical multimeter ensures efficient and stable optical signal transmission even in complex environments, making it an indispensable tool in the optic communication industry.

## Application scenarios



Structured Cabling System



Telecommunication Network Deployment



Cable Installation and Maintenance

## 4.3-Inch Touch Screen

Swipe to switch functions—3x faster than traditional buttons. The display remains clearly visible even in direct sunlight.



## 9 wavelengths to meet your requirements

【λ】: Switch between 9 wavelengths with one key. A single tool that doubles efficiency by meeting all your cross-scenario needs.




## Modulated Carrier Output

Triple-frequency modulation (270Hz/1kHz/2kHz) ensures zero-interference testing in complex environments.



## RJ45: Wire sequencing & Cable tracing

Pinpoint every hidden flaw to build and maintain networks with greater efficiency.




## User-initiated Calibration

No More Ship-and-Wait. Just immediate diagnostics and controlled costs.



## 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.



## Interchangeable Universal Port Design *(Supports SC Adapter)*

Designed to sustain peak performance by cutting avoidable return costs and unplanned downtime.



## Supports SC/FC adapters



SC(Standard)



FC(optional)

## Product Configuration

① Carrying Case x1

② OPM-43PM x1

③ Power Cord x1

④ RJ45 Remote Module x1

⑤ Shoulder Strap x1




## Product Display

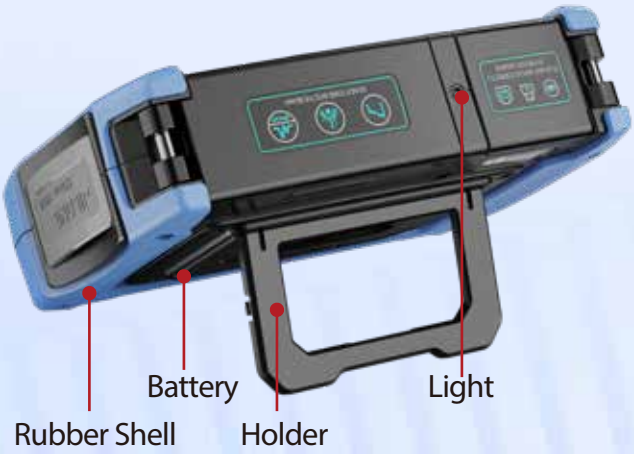
Front

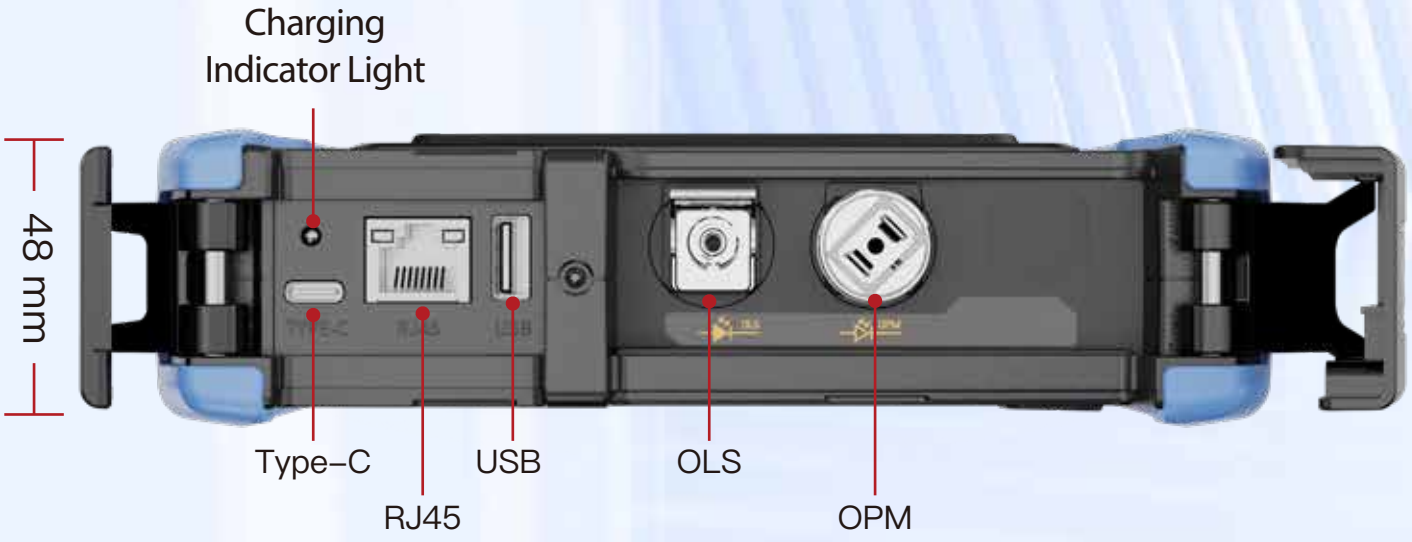



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## Parameters

| | | |
|---|---|---|
| **OPM** | wavelength range | 850~1650(nm) |
| | Test Wavelength | 850/1270/1300/1310/1490/1550/1577/1625/1650(nm) |
| | Power Test Range | -70~+6(dBm) |
| | Uncertainty | ＜(±0.2dB or ±5%) |
| | Power Stability | ±0.1dB |
| | resolution | 0.01dB |
| | User-independent calibration | √ |

| | | |
|---|---|---|
| **VLS** | Wavelength(nm) | 1310/1550 |
| | Spectral width (nm) | ≤5 |
| | Output power | 0 ±1dBm |
| | Output stability | ±0.05dB/15min， ±0.2dB/8h |
| | Modulation frequency | CW, 270Hz, 1kHz, 2kHz |

| | | |
|---|---|---|
| **RJ45** Networks Test | Wavelength (nm) | CAT5, CAT6 |
| | Distance of Cable Collationl | 300m |
| | Distance of emitting signal | 300m |

| | | |
|---|---|---|
| General Parameters | Auto Power-Off Time | 10min |
| | Language | English, Chinese, Spanish, French, Portuguese, Russian, Thai, Korean |
| | Optical Fiber Port | SC/UPC (FC/UPC Optional) |
| | Display Screen | 4.3-inch color LCD display screen |
| | Port | Charging Port x1, USB 2.0 x1, RJ45 x1 |
| | Working Temperature | -10-50℃(0 to 40 ℃ for use with power, 0 to 35 ℃ battery charging) |
| | Storage Temperature | -20~60℃ |
| | Height | 4000 m |
| | Humidity | 0to 90% RH |
| | Power Mode | 5V，3A (DC adapter) |
| | Battery | 3.7V, 5000mAh, ≥18.5Wh |
| | Lighting | Light Intensity >15000mcd |
| | Data Storage | Memory: Each wavelength can store 100 pieces of data; External Storage: USB |
| | Size | 179 mm (W)x 112 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℃ ± 2℃.

## CONTACT US


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