



Fiber Optic Power Meter MT-7601

The **Fiber Optic Power Meter MT-7601** is a handheld device used to measure the power of optical signals in fiber optic networks. It is commonly used by technicians and engineers to test and troubleshoot fiber optic systems, ensuring proper signal strength and performance. Below are some key features and specifications typically associated with such a device:

Key Features:

1. **Wide Wavelength Range:**
 - Capable of measuring optical power across multiple wavelengths, such as 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, and 1625 nm, which are commonly used in fiber optic communications.
2. **High Accuracy:**
 - Provides precise measurements with low uncertainty, often within ± 0.2 dB or better.
3. **Large Display:**
 - Features an easy-to-read LCD or LED display for clear visibility of measurement results.
4. **Auto Power-Off:**
 - Includes an auto power-off function to conserve battery life when the device is not in use.
5. **Multiple Units of Measurement:**
 - Allows measurements in dBm (decibel-milliwatts) or W (watts), depending on user preference.
6. **Compact and Portable:**
 - Lightweight and ergonomic design for easy handling and field use.
7. **Battery Powered:**



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- Typically powered by rechargeable or replaceable batteries for portability.
 - 8. **Calibration:**
 - Often comes with calibration certificates traceable to national standards for accuracy assurance.
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Applications:

- **Installation and Maintenance:** Verifying signal strength during installation or troubleshooting.
 - **Network Testing:** Ensuring proper power levels in fiber optic links.
 - **Quality Assurance:** Testing fiber optic components like connectors, splices, and cables.
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Specifications (General):

- **Measurement Range:** Typically from -50 dBm to +26 dBm (may vary).
 - **Detector Type:** InGaAs (Indium Gallium Arsenide) or similar for high sensitivity.
 - **Connector Type:** Supports common fiber connectors like SC, FC, ST, and LC.
 - **Operating Temperature:** Usually between 0°C to 40°C (32°F to 104°F).
 - **Storage Temperature:** -10°C to 50°C (14°F to 122°F).
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Accessories:

- Adapters for different connector types.
- Protective case for storage and transport.
- Calibration certificate and user manual.

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