

Article Overview

Popular optical power meter brands include Thorlabs, Newport, Shineway Tech, Hopu Optical, L-com, and Novanta Photonics, offering handheld, benchtop, and integrated sensor models.

Key Brands and Models

- o Thorlabs: Offers a wide range of optical power and energy meters, including handheld and dual-channel benchtop consoles such as PM100A, PM100D2, PM100D3, PM400, and PM5020. These meters support multiple sensor heads with NIST-traceable calibration and automatic sensor recognition for versatile measurement across various wavelengths and power ranges .
- o Newport: Provides handheld and benchtop optical power meters, including the 1936-R/2936-R series with high sampling rates and femtowatt-level resolution. Newport also offers specialized sensors like low-power, laser power, and energy sensors, as well as virtual optical power meters that utilize a PC for measurement .
- o Shineway Tech, Hopu Optical, Senter Electronic: These manufacturers supply multi-functional optical power meters suitable for production lines, R&D, and maintenance, with features like USB connectivity, data logging, and low-noise detection for very low power measurements .
- o L-com: Known for fiber-optic testing equipment and optical power meters, L-com provides customizable solutions for network testing and monitoring .
- o Novanta Photonics: Specializes in laser-based diagnostic and micromachining equipment, offering optical power meters integrated with laser systems for precise power monitoring .

Types of Optical Power Meters

- o Handheld Meters: Portable, easy to use in the field, suitable for fiber-optic network testing and quick measurements.
- o Benchtop Meters: High-precision instruments for laboratory or production environments, often supporting multiple sensors and higher dynamic ranges.
- o Integrated Sensor Meters: Compact devices combining detector and meter in one enclosure, ideal for OEM integration or laser system monitoring .

Features to Consider

- o Measurement Range: From nanowatts to hundreds of watts depending on the model.
- o Sensor Type: Photodiode sensors for low-power measurements, thermopile sensors for high-power lasers.
- o Wavelength Calibration: Essential for accurate readings across different light sources.
- o Connectivity: USB or wireless interfaces for data logging and PC integration.
- o Multi-Channel Monitoring: Some meters can monitor multiple fiber channels simultaneously, useful in telecommunications . Choosing the right optical power meter depends on your application, required power



Optical Power Meter Model and Brand

range, wavelength compatibility, and whether portability or high-precision laboratory measurement is needed.

Connected optical power meter: an essential tool for technicians installing or maintaining any fiber optic

Optical Power Meter Dimension OPM series modules include High-Performance series, high-speed series, high

How to Test Fiber Splice Loss? Selet OTDR or Optical Power Meter? Consclusion: Optical Power Meter is normally

Santec offers a comprehensive range of Optical Power Meters designed to meet diverse testing requirements in fiber optic applications.

Optical Power Meters and Laser Measurement Products, All of the Manufacturers, Compare over 200 Laser Measurement Products

When placing tones on the fiber using a Tempo Communications source, the optical power meter will

Choose the right optical power meter in 2026 for unparalleled accuracy and efficiency;

An optical power meter is a device used to measure the power of an optical signal. It is a valuable tool for fiber optic technicians, as it

Thorlabs" expanding line of optical power and energy meters includes a large selection of sensor heads, single- and dual-channel

This section provides an overview for optical power meters as well as their applications and principles. Also, please take a look at the

AFL"s OPM4 and OPM5 Optical Power Meters are versatile tools for testing all network types - FTTx/FTTh, LAN/WAN, Telco, CATV,

This handheld optical power meter features ingenious appearance, wide range of power measurement, high accurate test precision

Optical power meters can be used in educational settings to teach students about fiber optic technology and measurement

See our Optical Power Meters to browse our standard models, or select a product series below to learn more



Optical Power Meter Model and Brand

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Discover how to choose the right fiber optic power meter for your needs. Learn to measure

FS offers a range of fiber optic power meter, choose from a variety of cost-effective optical

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