

Small volume optical power meter OEM



AI Overview

Compact optical power meters like the Artifex OPM150 and Semight PM420X are ideal for OEM integration, offering wide wavelength coverage, USB/PC control, and versatile power measurement ranges. Key Options

1. **Artifex OPM150** The OPM150 is a pocket-sized, low-cost optical power meter designed for lab, production, and OEM applications. It supports USB-powered PC control, eliminating the need for a built-in display, which reduces size and cost. The system allows interchangeable detector heads covering 250–2490 nm, automatically recognizing each head and uploading calibration data. Power measurement ranges span from nanowatts to kilowatts, with $\pm 5\%$ calibration accuracy for detector heads and $\pm 1\%$ for the base module. Accessories like calibrated attenuation filters extend measurement capabilities, making it highly adaptable for OEM integration and automated testing setups (Artifex Engineering).
2. **Semight PM420X** The PM420X is a small-volume, high-precision optical power meter widely used in optical transceiver module development and production. It supports average optical power measurement and integrates into high-speed communication testing environments, including 5G, cloud computing, and big data applications. Its compact design allows embedding into automated test systems, supporting laser burn-in, CoC testing, and wafer-level optical measurements. Semight provides complete solutions for OEMs, including optical switches, attenuators, and high-precision source measure units for integrated testing (Semight Instruments).
3. **VIAVI Solutions and SIMTRUM** VIAVI offers pocket-sized and lab-grade optical power meters suitable for single-mode and multimode fiber networks, with USB connectivity for PC or smart device control. SIMTRUM provides photoelectric, thermoelectric, handheld, and USB multi-channel meters covering 0.19–25 μm and power ranges from pW to kW, suitable for OEM and lab applications (VIAVI Solutions, SIMTRUM Photonics).

Considerations for OEM Integration Size and Form Factor: Compact mete...

Article Content

Optical Power Meters

Scalable optical measurement for high-volume photonic testing Keysight optical power meters measure optical signal strength, providing multi-channel

Optical Power Meter Kits

Our optical power meter kits consist of a console, a C-series photodiode or thermal power sensor, and a post mounting assembly. The sensor in each kit is paired

Optical Power Meters

VIAVI offers fast, cost-effective, and easy-to-use power meters for installation and maintenance of single mode and multimode fiber optic networks and advanced, photonic-layer power meters for lab and

OEM laser power meters

OEM laser power meters - OEM (Original Equipment Manufacturer) power / energy meters can be integrated into any industrial or medical system.

Optical Power Meters | santec

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

Portable Light Sources and Power Meters

Compact and Portable Light Source and Optical Power Meter Tools Compact and portable, our light source and optical power meter tools are essential for testing

Optical Power and Energy Meters

Compatible sensors are easily identified by the red C-series connector. All of our old A/B-Type sensors are available with the new connector; plus, we have continued

USB Optical Power Meter » Artifex Engineering

These laser power meters are particularly suitable for OEM applications, in the laboratory or for field use such as laser servicing. The unit is USB powered: no

Optical Power Meters

Choose the optical power meter you need to enable centralized control, flexible connectivity, and scalable measurement capability for optical component

OPM5 and OPM4 Optical Power Meters

AFL's OPM5 and OPM4 Optical Power Meters for accurate fiber optic testing. Featuring Wave ID, rugged design, and compatibility with various networks.

POM-500 Fiber Power Meters OZ Optics

The POM-500 series of pocket optical power meters is also offered as a series of OEM modules (with no built-in display) that can be embedded in a system for

Portable Optical Power Meter with Large LCD Screen

The Optical Power Meter is small, light and easy to carry with a large LCD screen. It can be widely used in the test of LAN, WAN metropolitan network. It can be used to test Fiber loss accurately, check the

10 Best Optical Power Meters for Accurate

Choose the right optical power meter in 2026 for unparalleled accuracy and efficiency; discover the top 10 models that could transform your

Multi-Channel Power Meter, PM420X-Semight Instruments

PM420X optical power meter has small volume and wide power measurement range. It is widely used for optical transceiver module development and production to measure the average optical power.

Optical Power Meters

Optical Power Meters Optical power meters for fiber optic networks: For the installation, maintenance, and testing of single-mode and multi-mode networks

Power Meters

Power Meters AF-OM120A The OM120A is the ideal tool for measuring optical power of both multimode and single mode applications. With enhanced features

Micro Optical Power Meter – Tempo Communications

The Tempo Communications Micro Optical Power Meters (OPM210 and OPM220) are available in standard and high-power versions for the

Optical Power Meter Basics

Introduction An optical power meter measures the photon energy in the form of current or voltage from an optical detector such as a semiconductor, a thermopile, or a pyroelectric detector. Newport's

Optical Power Meters | sisco

An optical power meter is a device used to measure the power of an optical signal, typically within a fiber optic communication system. It is an essential tool for

Amazon : Optical Power Meter

Browse optical power meters designed for network installation and maintenance. Shop reliable fiber testing equipment with multiple wavelength support.

Wsee Opm35 Portable OEM Handheld Mini Fiber

Is a leading optical transmission equipment manufacturer & solution provider in the communications industry. We provide the world with cost-effective

Optical power meter

Find your optical power meter easily amongst the 74 products from the leading brands (Shineway Tech, Hopu Optical, Senter Electronic, ...) on DirectIndustry,

Laser power meters

Gentec-EO offers a wide range of high accuracy laser power meters suitable for all professional uses that require a precision measurement, from industrial to

Optical Power Meter OPM150

The OPM150 is small enough to fit into your pocket and is USB powered and controlled. No extra power supply required, no extra cables on the table. Not only the small size qualifies this instrument for

Optical Power Meters - Buyer's Guide & Suppliers

This buyer's guide for optical power meters provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Optical Power Meters

Our handheld optical power and energy meters are plug and play compatible with our wide range of calibrated optical sensors for the highly accurate and repeatable optical measurements required in

Optical power meters

Optical power meters Power meters are an active part of most test solutions. All of EXFO's modular (IQS line) and benchtop power meters are built for top performance and pinpoint accuracy, and the

Contact Us

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