Light Source Power Meter Manufacturer

Article Overview

Top manufacturers of light source and optical power meters include L-com, Novanta Photonics, Agiltron, Newport, ILX Lightwave, Thorlabs, and Coherent, offering a range of portable, benchtop, and specialized measurement solutions.

Leading Manufacturers

o L-com: Founded in 1982, headquartered in North Andover, Massachusetts, L-com produces wired and wireless communication products, including optical power meters, with custom solutions for various industries such as medical, industrial automation, and telecommunications .
o Novanta Photonics: Established in 1947 in the UK, Novanta specializes in laser-based diagnostic, analytical, micromachining, and fine material processing equipment, including components for optical power measurement .
o Agiltron Inc.: Based in Woburn, Massachusetts, Agiltron develops premium optical and photonic components and systems for communications, sensing, and instrumentation, offering both standard and custom optical power meters .
o Newport and ILX Lightwave: These companies provide handheld and benchtop optical power meters, with high-resolution sensors and dual-channel capabilities. Newport offers femtowatt-level resolution and 250 kHz sampling rates, while ILX Lightwave provides combined optical power and wavelength measurement solutions .
o Thorlabs: Offers a wide range of optical power and energy meters, including compact, fully integrated devices with touch-screen interfaces, suitable for SM/MM fiber applications and UV energy measurement .
o Coherent: Located in Saxonburg, Pennsylvania, Coherent manufactures lasers and photonics-based systems, including optical power meters for industrial, communications, electronics, and scientific applications .

Portable and Field-Ready Solutions

For field applications, companies like Yokogawa provide compact, portable light sources and optical power meters designed for testing insertion losses in fiber links across networks such as cable TV, enterprise, carrier, Ethernet, and FTTH. These devices feature high accuracy, user-friendly interfaces, and durable construction for installation, commissioning, maintenance, and troubleshooting .

Considerations When Choosing a Manufacturer

o Measurement Range and Accuracy: Ensure the device covers the required dynamic range and wavelength calibration.
o Portability vs. Benchtop: Fieldwork may require lightweight, portable meters, while lab applications may benefit from benchtop models with higher precision.

o Customization and Support: Some manufacturers offer tailored solutions and technical support for complex network testing.
o Sensor Type: Options include photodiodes, thermopiles, and pyroelectric detectors depending on the light source and application. These manufacturers collectively provide a broad spectrum of optical power meters suitable for laboratory, industrial, and field applications, ensuring precise and reliable light measurement for fiber-optic and laser systems.

Optical power meters are instruments for optical power measurements, based on heating of an absorber structure, for example, or on

EXFO light sources and power meters Testing the end-to-end performance of an optical fibre system requires two important pieces of

The SLS 50 and OPM 50 are a light source and power meter kit, perfect for precise measurements of fibre

Compact and portable, our light source and optical power meter tools are essential for testing and verifying insertion losses in fiber

Tier-1 certification kit with power meter and light source, compatible with multiple duplex and multi-fiber connectors up to 24 fibers.

Laser Power Meters use detection sensors to determine the intensity of a laser beam"s energy output. Laser Power Meters are

Compact and Portable Light Source and Optical Power Meter Tools Compact and portable, our light source and optical power meter

Discover EXFO"s broad range of light-source testing solutions. Pocket-sized VFL, an essential tool for any technician testing fiber.

1-16 of 247 results for "optical power meter and light source" Results Check each product page for other buying options.

ARAPALA® A-LS107-21 Light Source SC 850/1300nm High stabilisation 850/1300nm light source with built-in optic isolator and

Discover the versatility and accuracy of an optical light source and power meter for optical fiber testing.

The Tempo Communications optical power meters are available in standard and high-power versions for

The Jonard Tools Fiber Optic Power Meter with Data Storage is the perfect power meter for measuring and recording both the

Automatic wavelength identification and switching (when used with handheld light source) Automatic

A Power Meter & Light Source is a low cost way to certify optical fiber. These two pieces of test equipment are used to

What light source and power meter do you need? There are many different types of light sources and

Web: https://www.kremgroup.co.za