

RIVO MULTITRADE OPTICAL SYSTEMS

Optical Multimeter



Overview

EXFO's Optical Explorer is the industry's first optical fiber multimeter (OFM), a handheld tool for fiber optic technicians.

Key Takeaways

An optical multimeter is a handheld fiber-optic test instrument that combines an optical power meter, light source, fiber inspection, loss/ORL measurement, and visual fault locator into one device, enabling fast certification and troubleshooting of fiber links. What an Optical Multimeter Is

- An integrated fiber-optic testing tool combining multiple functions:
 - Optical power measurement
 - Insertion loss and optical return loss (ORL) testing
 - Visual fault location (VFL)
 - Fiber inspection
 - Light source output
 - Designed for quick fiber link characterization, certification, and troubleshooting.
- Key Capabilities
- Single-ended testing of fiber link KPIs (length, loss, ORL, power) in seconds.
 - Automated fault tracking to locate breaks, bends, bad connectors, or splices.
 - Minimal setup—typically just connect the fiber and press a button.

- Integrated tools such as dual-band light sources and power checkers.

Typical Applications

- FTTx installation and activation
- Last-mile fiber verification
- In-service testing
- Fiber health checks
- CATV and FTTH troubleshooting

- General optical network maintenance

Examples of Optical Multimeters

- VIAVI Optimeter
- Handheld, automated fiber certification
- Measures power, loss, ORL with one connection
- Intuitive touchscreen interface
- Fast fault identification

EXFO Optical Explorer

- Displays KPIs in under 3 seconds
- Built-in power checker and light source
- No settings required

- Suitable for links up to 40 km

GAO Tek Fiber Optic Multimeters

- Wide range of models with integrated OPM, VFL, and light sources
- Suitable for FTTH, CATV, and general fiber testing
- Options include handheld meters, mini testers, and multifunction units

Industry Overview

Top manufacturers (2026):

- Keysight Technologies
- EXFO
- Viavi Solutions

Optical multimeters remain essential tools for modern fiber-optic deployment, enabling fast, reliable measurements and reducing troubleshooting time.

Article Content

Amazon : Optical Meter

Fiber Optic Cable Tester & Power Meter - Portable Optical Light Meter with FC/SC/ST/LC Interfaces, (-70) dBm to (+10) dBm Range,

Optical Fiber Multimeter | OFM

EXFO's Optical Explorer is the industry's first optical fiber multimeter (OFM), a handheld tool for fiber optic technicians. It measures

Optical Fiber Multimeter | OFM

Optical fiber multimeter Keeping up with the accelerated pace in fiber deployment means that frontline technicians need more than

Optical Multimeter

Description Optical multimeter is also called optical loss test set. It incorporates an optical laser source and an optical power meter

Hand-held Optical Fiber Power Meter, Fiber Optic Cable Tester

About this item □Outstanding Advantages□ TUTOOLS Hand-held Optical Fiber Power Meter is controlled by a single chip

Optical Power Meters | santec

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

Ermenrich NetGeeks NU20 Optical Multimeter

The Ermenrich NetGeeks NU20 optical multimeter is designed for testing fiber optic cables. You can measure the absolute optical

Optical Multi Meter in Kenya

COMPTYCO High Precision Optical Multi Meter Multi-function OPM+VFL+LED+RJ45 tester Visual Fault Locator Mini Optical Power

How To Use Optical Multimeter? A Complete Guide

How often should I calibrate my Optical Multimeter? The recommended calibration interval for an Optical Multimeter

Optical Multimeter (OPM, OLS, VFL) | Wholesale Supplier

A 3-in-1 Optical Multimeter is a versatile fiber optic test instrument that combines the functions of an Optical Power Meter (OPM) to

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