

OTDR L22

Multifunction OTDR for Singlemode & Multimode Fiber

Features

- Integrated multifunction design, compact and powerful
- Wavelengths: 850 / 1300 / 1310 / 1550 nm
- High measurement resolution up to 5 cm
- Very low dead zone: 0.8 m / 4 m
- 5.6-inch TFT-LCD touchscreen with intuitive user interface
- Durable physical buttons for easy field operation
- Supports advanced analysis functions (return loss, event analysis, curve comparison, screenshots)
- Large data storage: up to 100,000 records (16 GB SD card)
- USB and Micro-USB interfaces
- High-performance lithium-ion battery with up to 8 hours operating time



Application

- Installation and maintenance of FTTx and fiber optic networks
- Fault localization and analysis in singlemode and multimode networks
- Short- and long-distance measurements up to 240 km
- Network certification and documentation
- Laboratory and production environments
- Field service and maintenance operations

Ready for demanding environments:

The OTDR L22 is designed for daily field use and operates reliably under a wide range of environmental conditions. With its wide operating temperature range, rugged construction, and compact dimensions, it is perfectly suited for mobile applications. The powerful battery and fast charging time ensure high availability even during extended measurement sessions.

All-in-One solution:

The OTDR L22 combines numerous measurement and analysis functions in a single device. With integrated modules such as VFL, optical power meter, and laser source, along with high measurement accuracy and flexible pulse widths, it is the ideal all-in-one solution for technicians and network specialists. Whether for installation, analysis, or troubleshooting, the OTDR L22 delivers maximum efficiency and reliability in one compact system.

Description

The OTDR L22 Series (Optical Time Domain Reflectometer) is a multifunctional testing device of the latest generation designed for precise analysis and fault diagnosis in fiber optic communication systems for both singlemode and multimode applications. With the continuous expansion of fiber optic networks in urban and rural infrastructures, fast, reliable, and accurate measurement has become essential; the OTDR L22 has been specifically developed to meet these requirements, combining high measurement accuracy with user-friendly operation and a robust design.

The OTDR L22 stands out thanks to its compact construction, versatile applications, and integrated measurement functions such as VFL (Visual

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Fault Locator), optical power meter, and laser source, making it ideal for installation, maintenance, and troubleshooting of optical networks. Thanks to advanced technology and precise engineering, the device delivers reliable results even in demanding short-distance measurements with minimal dead zones.



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| Product Features | | |
|-------------------------|--|-----------------|
| Dimensions | 215 x 155 x 68mm | |
| Battery usage time | 8 hours permanent measuring | |
| Battery Type | Lithium Ion 7,4V / 2500mAh | |
| Connectors | USB-A, Micro USB | |
| Sampling Resolution | Minimum 5cm | |
| Operating Conditions | -10°C - +50°C | |
| Refractive Setting | 1.2000 - 1.5999, 0.0001 step | |
| Display | 5,6" Display TFT-LCD (Touchscreen) resolution 640x480 | |
| Storage Temperature | -20°C - +70°C | |
| Linearity | <=0.05dB/dB | |
| Operating Humidity | <=95%, non-condensing | |
| Fiber Type | 125µm | |
| Fiber Category | Singlemode & Multimode | |
| Sampling Point | Maximum 256,000 points | |
| Power Supply | Input: 100-250V AC; 50-60 Hz; 3A max.; Output: 12V DC; Power: 35W | |
| Packet Contents | OTDR, power cable, power adapter, FC/SC adapter, lithium battery, USB cable, SD card, user manual, carrying case, touchscreen stylus | |
| Pulse width | 3ns / 5ns / 10ns / 20ns / 50ns / 100ns / 200ns / 500ns / 1?s / 2?s / 5?s / 10?s / 20?s | |
| Interface | USB | |
| Scale Indication | axis: 4-70m/div, Y axis: 0.09-5dB/div | |
| Storage Capacity | 16GB SD Card, 100.000 Datapoints | |
| Current Supply | 100 - 250V AC, 3A | |
| Testing Distance | 500m / 1km / 2km / 5km / 10km / 20km / 40km / 80km / 120km / 200km / 240km | |
| Loss Resolution | 0,001 dB | |
| Loss Threshold | 0,01 dB | |
| Product Number | | EAN Code |
| OTDR L22 | | |