

Micro OTDR

Optical Fault Locator

SPECIFICATIONS

Optical:

Optical Connection	Single Port
Emitter type	Laser
Emitter Classification	Class I
Wavelength	1310 nm
Pulse Width	200 ns Typical.
Pulse Rate	500 kHz.
Emitter Fiber Type	Singlemode
Index of Refraction	1.40 - 1.69
End Measurement Accuracy	± 2m + IOR Variation (IOR Variation = 0.67 m/Km per .001 IOR error)
Minimum Distance Measured	30m
Dead Zone	30m
Maximum Distance Measured	20 Km
Minimum detectable signal @ 10Km	-49 dB
Number of events detected	7
Operating temp	-10 to +50°C
Storage temp	-20 to +60°C

Power:

Internal	4 AA Alkaline batteries, auto power off after 5 minutes
Battery life (Alkaline)	>13,000 operations

Physical:

Dimension	7.7 x 4.0 x 1.7 in. (195 x 100 x 45 mm)
Weight (w/ battery)	0.9 lbs, (440 g)
Connector Type	ST



MicrOTDR™ Optical Fault Locator

- ✓ Measure cable length to 20 km (SM) +/- 1 km (MM)
- ✓ Identify distance to 7 loss points/faults
- ✓ Distance accuracy of +/- 2 meters
- ✓ Singlemode and multimode operation
- ✓ Check fiber reels for length and defects
- ✓ Troubleshoot installed fiber

MicrOTDR provides fast, easy, and accurate identification of loss points/faults and length for multimode and singlemode fiber optic cable. Using 1310 nm laser OTDR technology, MicrOTDR takes less than 6 seconds to identify the distance to 6 optical events, plus the cable end. Easy identification of faulty connections, cable breaks, bad splices, breaks, and tight bends in installed links. Initiate all tests with a single key operation. Simple and inexpensive way to check fiber spools for length and flaws. Minimum measurable length is 30 meters (100 feet). Delivers over 13,000 tests from four AA batteries. ST-style output connection.

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