Micro OTDR

3C3® Micro OTDR is a unique product mainly designed for testing during implementation and maintenance of telecommunication and CATV networks. It can be widely used in fiber optic network implementation during building construction, maintenance, test and emergency troubleshooting. Comparing with a regular OTDR, Micro OTDR is compact in size and easier for onsite use.

Features

- Hand-held design, compact and lightweight; Anti-seismic, shockproof and appropriate for field operation.
- Unique hotkey design
- Starts in 3 seconds and measures immediately
- Narrow event blind zone, simple test of fiber patch cord
- Automatic and manual test function
- High Capacity SD card Storage
- Low-power design, optional lithium battery or AA-size alkaline batteries
- Simple, fast, without complex training
- VFL (Visual Fault Location) function
- Multiple light outputs FC/ST/SC Exchangeable
- OTDR Viewer software for data analysis.
- Light alarm function, preventing the device from being damaged by the signal
- Covered under 3C3® Performance Warranty

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Micro OTDR

Technical Specifications

Wavelength	:	1310/1550nm
Sensing Fiber	:	Single Mode
Dynamic Range	:	28/26dBm
Pulse Duration	:	10/20/50/100/200/500/1000/2000/5000/10000/20000
Dead Zone	:	1.8m
Attenuation Detect Accuracy	:	±0.05
Loss Threshold	:	0.01dB
Sampling Resolution	:	0.16~5
Distance Measure Accuracy	:	±(1m +5x10-5x distance + Sampling space)
Max Measuring Distance	:	1 ~120km
Data Storage	:	>1000records
Average Time	:	5s, 15s, 30s, 1min, 2min, 3min
Dimension(H x W x T)	:	210 x 112 x 67mm
Weight	:	1kg
Relative Humidity	:	0%~95%（non-condensing）
Battery Life	:	>10hours (Rechargeable)
Connector	:	FC (ST/SC Interchangeable) - PC
Connectivity	:	USB/SD card
Visible Fault Locator	:	Wavelength :650nm; Farthest distance test : 5km
Stable light source	:	Wavelength (±20nm) : The work of OTDR with wavelength

Environmental Specifications

Storage Temperature	:	–20°C to +60°C
Operating Temperature	:	0°C to +50°C

Note:

- The dynamic range is SNR=1 the maximum pulse width within averaging time of 3 minutes;
- Dead zone measurement conditions: reflection strength below -45 dB, Event Dead Zone with 10ns pulse width measurement, Attenuation Dead Zone 50ns pulse width measurement.
- Do not include due to refraction caused by the uncertainty.
- Stable source and OTDR sharing the same light port and OTDR work wavelength consistent

Ordering Information

Product Code	Description
47080	Micro OTDR, SM (1310/1550nm)

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