



2100 Series OTDR

Product Specifications

Description

Multicom's 2100 Series Optical Time Domain Reflectometer (OTDR) is an enhanced model of the Multicom Series of OTDRs that includes the 1625nm wavelength that allows for live network testing. The OTDR is designed for tough outdoor jobs. Lightweight, easy operation, low-reflection TFT LCD and 12 hours of battery life make it perfect for testing fiber optic cable in the field.

Features

- Live network testing on 1625nm
- Auto/manual testing
- Integrated design with long battery life
- Outdoor enhanced, smart and rugged
- 7" anti-reflection TFT LCD touch screen
- Support multi-language display and input
- Includes VFL, Light Source, Power Meter & Smart Network Analysis

Applications

- FTTX test with PON networks
- CATV network testing
- Access network testing
- Live fiber troubleshooting



Specification	Parameter
Wavelengths	1310 / 1550 / 1625nm Singlemode
Dynamic Range	43 / 41 / 41 dB
Event Dead Zone	1m (Typical)
Attenuation Dead Zone	4m
Distance / Loss Resolution	0.01m / 0.001dB
Testing Distance	4m, 100m, 500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km, 170km
Pulse Width	3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1µs, 2µs, 5µs, 10µs, 20µs
Sampling Points (max)	128,000
Distance Accuracy	± (1m + measuring distance x 3 x 10 ⁻⁵ + sampling resolution)m
Visual Fault Locator	Included, 650nm, 10mW, Class III B
Optical Light Source	1310nm, 1550nm, 1625nm
Optical Power Meter	850, 1300, 1310, 1490, 1550, 1625, and 1650nm, input -60dBm to +5dBm
Smart Network Analysis	Included
Fiber Inspection	Software included, probe purchase required
Display	7" TFT LCD Touch Screen
Languages	User-selectable English / Spanish / Portuguese / others
Bellcore SOR File Output	Yes (Issue 2, SR-4731)
Data Storage	Internal memory: 4GB (about 40,000 test traces)

MUL-OTDR-2100

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