



# 1100 Series OTDR

## Product Specifications

### Description

Multicom's 1100 Series Optical Time Domain Reflectometer (OTDR) is specially designed for tough outdoor jobs. Light-weight, easy operation, low-reflection LCD and 12 hours of battery life make it perfect for testing fiber optic cable in the field.

### Features

- Auto/manual testing
- Integrated design with long battery life
- Outdoor enhanced, smart and rugged
- 7" anti-reflection 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 / 1550nm Singlemode
Dynamic Range	35 / 33 dB
Event Dead Zone	0.8m/1.5m (Typ)
Attenuation Dead Zone	4m
Distance Resolution	0.01m
Testing Distance	100m, 500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km, 200km
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 <sup>-5</sup> + sampling resolution)M
Visual Fault Locator	Included, 650nm, 10mW, Class III B
Optical Light Source	1310nm, 1550nm
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 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-1100**

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