Description

The Multicom MUL-OTDR-200 OTDR handheld Optical Time Domain Reflectometer is a new generation of intelligent optical-fiber test equipment. It is widely used in the construction, maintenance, measurement, and emergency repair of optical-fiber communication systems networks as well as the development, manufacturing and measurement of optical fibers and optical cables.

The OTDR is able to Measure and Display:

- Length of optical fiber
- Distance between any two points in the curves of optical fiber
- Loss between any two points in the curves (dB)
- Connecting loss at the joints of the curves
- Value of reflection loss
- Distance between two event points
- Loss between two event points
- Average loss between two event points
- Waveform storage

The OTDR is also able to:

- Identify the connecting fault and disconnecting locations of optical fibers and optical cables
- Indicate the power level of intelligent batteries
- Work as a real-time measurement instrument, this increases the convenience on observing real-time connecting effects/events of optical fibers

Additional Features

- Graphical window operating interface
- VFL (Visual Fault Location) function
- Color LCD display
- Handheld device, light, easy to carry, solid and durable
- Intelligent battery power indicator & auto power-off at low voltage
- Able to transfer data to PC via USB cable

MUL-OTDR-200

Model: 200, 300
Optical Time Domain Reflectometer
Multicom

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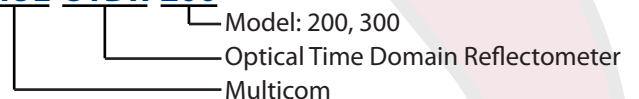# Optical Time Domain Reflectometer

Product Specifications

Features

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Technical Specifications

Parameter	MUL-OTDR-200	MUL-OTDR-300
Wavelength	1310/1550nm ±20nm	1310/1550nm ±20nm
Type of compatible applicable fibers	Singlemode	Singlemode
Dynamic Range	15/16dB (40-50km)	30/32dB (100-110km)
Minimum event deadzone	1.6m (singlemode)	
Ranging accuracy	±(1m + sampling interval + 0.003% x distance), (excluding refractive index imbedding error)	
Resolution of ranging	12 - 16m	
Loss threshold value	0.01dB	
Linearity	0.05dB/dB	
VFL output power	5mW	
Measurement range	4, 8, 16, 32, 48, 64, 128, 256km (singlemode)	
Pulse width	10, 30, 80, 160, 320, 640, 1280, 2560, 10240ns	
Number of sampling points	65K	
Waveform storage capacity	1,000 frames	
Range of refractive index	1.00000 ~ 2.00000	
Range of optical-cable corrrection factor	0.800000 ~ 1.00000	
LCD display	640 x 480, 5.1" color	
Port	USB	
Optical output port	FC/PC	
Power supply	AC/DC adapter AC input: 100V ~ 240V (1.5A) Output DC: 9V (2A) Power frequency: 50Hz ~ 60Hz Internal lithium battery: 7.4V, 4400mAh Working battery life: 10 hours @ normal temperature	
Menu language	English	
Storage Tempurature	-40 ~ 70°C (-40 ~ 158°F) exclusive of battery	
Relative humidity	5-95%, no condensation	
Dimensions	215mm L x 130mm H x 66mm W	
Weight	~ 1kg (~2.2 lbs)	

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