

FOL- OTDR

Optical Time Domain Reflectometer

AKADEMIKA

- 1310 / 1550 nm Wavelength
- 32 / 30 dB Dynamic range
- 0.3 to 180 km Distance scope
- Automatic Measurement Mode
- Multi Wavelength Measurement
- Multi Wavelength Analysis
- Different Waveform Comparison
- Trace Fixing Function



FOL-OTDR

AKADEMIKA's OTDR is the newest compact and lightweight designed which is simple in operation for the students. It is mainly used to measure the physical characteristics of optical fiber, such as the length, the transmission loss and the splice loss etc. It can also locate the faults or breaks of optical fiber.

SPECIFICATION

Technical Specifications			
Type	Single Mode Fiber		
Wavelength (nm)	1310/1550		
Dynamic Range (dB)	32/30		
Pulse Width (ns)	5, 20, 40, 80, 160, 320, 640, 1280 5, 20, 40, 80, 160, 320, 640, 1280, 2560, 5120, 10240, 20480		
Event Dead Zone (m)	≤1.8 m		
Attenuation Dead Zone (m)	≤10 m		
Linearity (dB/dB)	±0.05 dB/ dB		
Loss Threshold (dB)	0.05		
Loss Resolution (dB)	0.01		
Sampling Point	0.125 to 8		
Marker Frequency Resolution	32K		
Distance Uncertainty (m)	±(1 m + 5×10 ⁻⁵ × distance + sampling interval)		
Distance Scope (km)	0.3 to 180		
Typical Real-Time Refreshing Duration (s)	0.2		
Memory Capacity of Trace	SD Card (8G), > 10000 pieces		
Duration of Measurement	Defined by user; 5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable		
General Specification			
Dimension (H×W×D)	150×235×66		
Weight	1.5kg		
Temperature	Running Temperature -10°C to 50°C Memory Temperature -40°C to 70°C		
Relative Humidity	0% to 95% (non condensation)		
Power Supply	Lithium battery; continuing working duration ≥ 8 hours		
Interface Category			
Visible Failure Orientation VFL			
Optical Interface	FC/UPC/SI/SC	Wavelength	650nm
Data Interface	USB Interface, SD Card Interface	Output power	≥-3dBm
		Max testing distance	3 km

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 **DISTRIBUTOR**

