

OTDR Tester

28/26dB 1310/1550nm

OTDR-3028

Single Mode Optical Time Domain Reflectometer



The OTDR-3028 is an OTDR (Optical Time Domain Reflectometer) based optical fault locator and analysis tool for optical fiber networks. The OTDR-3028 supports Single mode 1310nm, 1550nm with Dynamic Range 28/26dB. The OTDR features a light, compact, hand-held design with an intelligent user interface that is easy and quick to use. The color LCD display with bright backlight makes testing work more comfortable and convenient, whether during daylight or in low light conditions. As a fault locating and analyzing tool, the OTDR-3028 is much more economical than traditional OTDRs. In addition to its 1000 plus internal curve storage, the OTDR-3028 can save and transfer the measurement curves data to a PC via serial or USB port for further analysis or printing with Window based "Trace Manager" software. When set in auto measurement mode, the user can activate the measurement operations easily by the push of only one button. The OTDR-3028 is ideal for optical fiber installation, maintenance, field construction, and other on-site fault-location analysis.

Features

- ⑩ Ideal for LAN/WAN certification & trouble-shooting
- ⑩ Fiber length/splice/fiber-end detection
- ⑩ Handheld & lightweight
- ⑩ Overall fiber applications:
 - SM: 1310/1550nm(with filter), up to 28dB
- ⑩ Quick start: <5 seconds
- ⑩ Hotkeys: Easiest operation in the world, push-and-test
- ⑩ High precision measurement, 1000 test records storage
- ⑩ USB/RS-232 data interface
- ⑩ Bellcore file format (.sor)
- ⑩ PC software for traces batch editing & flexible printing
- ⑩ Multilanguage: EN/DE/FR/ES/PT/RU/KR/CN
- ⑩ 8 hrs continuous operation/20 hrs standby
- ⑩ Dust-shock proof (2m drop test)
- ⑩ CE, FCC, FDA certificates

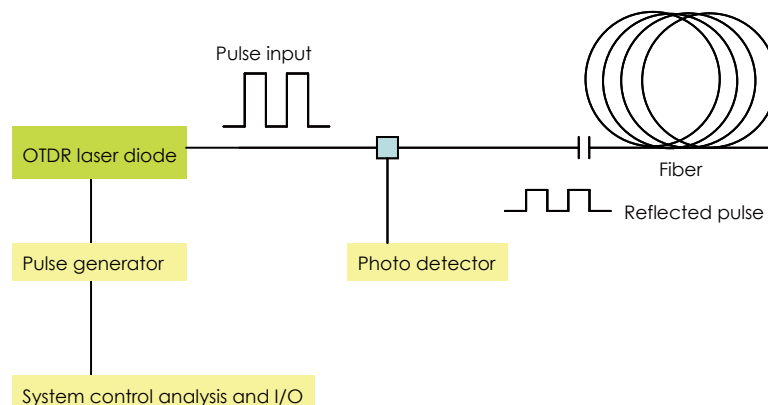
Specifications

Model Name	Wavelength ($\pm 20\text{nm}$)	Dynamic Range	Event DeadZone(m)	Attenuation DeadZone(m)
OTDR-3028	1310/1550	28/26dB	1.8	8
Selectable Range (Km)	0.3, 1.3, 2.5, 5, 10, 20, 40, 80, 120		Power Supply	NiMH Battery / AC Adapter
Pulse Width	5ns, 12ns, 30ns, 100ns, 275ns, 1 μ s, 2.5 μ s, 10 μ s		Battery Life	8 hours continuous operation; 20 hours standby (on one charge)
Averaging Time	15s, 30s, 1min, 2min, 3min		Operating Temperature	0 ~ 50°C
Distance Measure Accuracy	$\pm(1\text{m} + 5 \times 10^{-5} \times \text{distance} + \text{sampling space})$		Storage Temperature	-20 ~ 70°C
Attenuation Detect Accuracy	$\pm 0.05 \text{ dB} / \text{dB}$		Relative Humidity	0 ~ 95% (non-condensing)
Reflection Detect Accuracy	$\pm 4 \text{ dB}$		Weight	1kg (2.2 lbs)
Data Storage	1000 records		Dimensions (H x W x T)	220 x 110 x 70mm (8.7 x 4.3 x 2.7 inch)
Connectivity	USB/RS-232			
Connector	FC/PC (Interchangeable SC, ST)			

Visible Fault Locator (Only available with Type B/N and C/N)

Output Power (dBm)	≥ -3
Max Measurement Range	5 Km

An OTDR component setup



Ordering Information

Model Name	Description
OTDR-3028	28/26dB, 1310/1550nm, Single mode OTDR tester

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