OTDR-30A

Single Mode Optical Time Domain Reflectometer

The OTDR-30A is an OTDR (Optical Time Domain Reflectometer) based optical fault locator and analysis tool for optical fiber networks. The OTDR-30A 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-30A is much more economical than traditional OTDRs. In addition to its 1000 plus internal curve storage, the OTDR-30A 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-30A is ideal for optical fiber installation, maintenance, field construction, and other on-site fault-location analysis.

Features

- Ideal for LAN/WAN certification & trouble-shooting
- Fiber length/splice/fiber-end detection
- Handheld & lightweight
- Overall fiber applications:
- SM: 1310/1550nm(with filter), up to 28dB
- Quick start: <5 seconds
- Hotkeys: Easiest operation in the world, push-and-test
- High precision measurement, 1000 test records storage

- USB/RS-232 data interface
- Bellcore file format (.sor)
- PC software for traces batch editing & flexible printing
- Multilanguage: EN/DE/FR/ES/PT/RU/KR/CN
- 8 hrs continuous operation/20 hrs standby
- Dust-shock proof (2m drop test)

Specifications

Model Name	Wavelength (±20nm)	Dynamic Range	Event DeadZone(m)	Attenuation DeadZone(m)
OTDR-30A	1310/1550	28/26dB	1.8	8

Selectable Range (Km)	0.3,1.3, 2.5, 5, 10, 20, 40, 80, 120
Pulse Width	5ns, 12ns, 30ns, 100ns, 275ns, 1μs, 2.5μs, 10μs
Averaging Time	15s, 30s, 1min, 2min, 3min
Distance Measure Accuracy	±(1m + 5×10-5×distance + sampling space)
Attenuation Detect Accuracy	±0.05 dB/ dB
Reflection Detect Accuracy	±4 dB
Data Storage	1000 records
Connectivity	USB/RS-232

Connector	FC/PC (Interchangeable SC, ST)
Power Supply	NiMH Battery / AC Adapter
Battery Life	8 hours continuous operation; 20 hours standby (on one charge)
Operating Temperature	0 ~ 50℃
Storage Temperature	-20 ~ 70℃
Relative Humidity	0 ~ 95% (non-condensing)
Weight	1kg (2.2 lbs)
Dimensions	100 x 196 x 60mm (D x W x H)

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
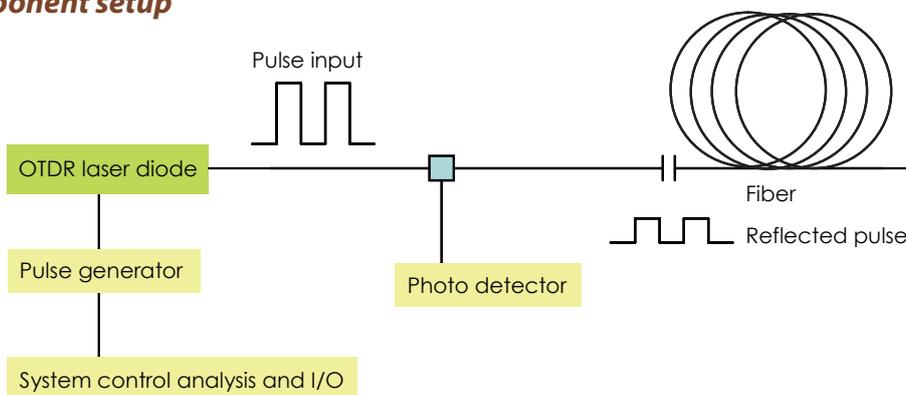
Ordering Information

Model Name	Description
OTDR-30A	28/26dB, 1310/1550nm, Single mode OTDR tester

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.