



Precision Rated Optics

Work with a PRO!

OFT-1000

Smart OTDR



The PRO OFT-1000 Smart OTDR is a new generation of portable and intelligent measuring instruments. It features a 3.5-inch color LCD screen. The internal integration can help customers effectively troubleshoot problems in the field when testing or performing maintenance.

The PRO OFT-1000 OTDR measures the length, loss and connection quality of all types of optical fiber cables. It can also be used in engineering, construction, line maintenance & testing, emergency repair, and the development and production of optical fiber cables.

- Lightweight, portable and cost-effective
- One key operation with test data results
- Integrated with VFL, optical power meter, laser source and RJ45 cable length test function
- Dustproof, waterproof, and shockproof
- High-capacity battery for extended operation time
- Installation, maintenance, and fault location for FTTX and access networks

OFT-1000 Standard Package Includes:

Smart OTDR, FC Adapter, SC Adapter, Universal Adapter, RJ-45 Toner, Charging Cable, Soft Carry Pouch

Ordering Information

OFT-1000	Smart OTDR (1310/1550nm)
----------	--------------------------

SPECIFICATIONS - GENERAL

Display	3.5-inch, Color Non-Touch LCD
Power Supply	Lithium battery: 3.7V, 4000mAh; Adapter 5V DC, 2A
Battery Duration	Standby >20h; Measuring Time >12h
Data Storage	Internal ≥600; External: TF Card (not included)
Operating Condition	0~95% relative humidity, 14~122°F (-10~50°C)
Storage Condition	0~95% relative humidity, -40~158°F (-40~70°C)
Size/Weight (WxDxH)	6.81 x 3.23 x 1.46in / 12.35oz (173 x 82 x 37mm / 350g)



Precision Rated Optics

Work with a PRO!

SPECIFICATIONS - OTDR

Wavelength	1310/1550 ± 20nm (SM)
Dynamic Range	24dB/22dB
Optical Connector	FC/SC
Event Dead Zone	3m
Attenuation Dead Zone	8m
Measuring Range	500m~60km
Pulse Width	3ns~10us
Accuracy Distance (Reflection Event)	± (1m + Sampling Interval + 0.005% x Test Distance)
Loss Accuracy	± 0.05dB/dB
Sampling Points	16K~128K
Sampling Resolution	0.05m~8m
Reflection Accuracy	± 3dB
Adapter	FC/SC

SPECIFICATIONS - POWER METER

Measurement Range	-50~+26dBm
Wavelength Range	800nm~1700nm
Calibrated Wavelength	850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm
Detector	InGaAs
Uncertainty	< ±5%
Frequency Identification	CW/270Hz/300Hz/1KHz/2KHz
Adapter	FC/SC

SPECIFICATIONS - RJ-45 TONER

Cable Receiver	Will be supplied with accessories
Test Range	300m

SPECIFICATIONS - LASER SOURCE

Wavelength	1310/1550nm
Fiber Type	SM
Emitter	FP-LD
Adapter	FC/SC
Output Power	≥ -5dBm
Output Stability	CW, ±0.5dB/15min(test after 15 minutes of preheating)
Modulation Frequency	CW/270Hz/330Hz/1KHz/2KHz

SPECIFICATIONS - VFL

Wavelength	650nm ± 20nm
VFL Output Power	≥ 10mW
Mode	CW/1Hz/2Hz
Fiber Type	SM/MM
Adapter	2.5mm Universal

