palmOTDR-100 Series Multifunctional Handheld OTDR
Multifunctional, Compact, Easy-to-use, Cost-effective OTDR

palmOTDR-100 series is multifunctional OTDR tester with 3.5-inch touch screen, integrated with OTDR, Link Image event map, optical power meter, stabilized laser source, optical loss test, visual fault locator and LED flashlight functions together.

palmOTDR-100 series OTDR is specially designed for optical fiber installation and maintenance for last mile of FTTx network.

Key Features

- ◆ Compact, lightweight & easy to use
- ◆ Short-distance performance with 3m event dead zone and 8m attenuation dead zone
- ◆ Link Image icon-based map view
- ◆ USB Type-C port for charging and data transfer
- ◆ Low power consumption, supports 15 hours standby and 8 hours operation
- ◆ OTDR trace file (.sor)
- ◆ PC software for data processing
- ◆ One-click testing, automatic data analysis

Specifications

Model	palmOTDR-100-S20
Wavelength	1310/1550nm±20nm
Dynamic Range[1]	20/18dB
Event Dead Zone[2]	3m
Attenuation Dead Zone[2]	8m
Distance Range	100m/500m/1km/2km/5km/10km/20km/40km/60km/80km
Pulse Width	5ns/10ns/20ns/50ns/100ns/275ns/500ns/1us/2us/5us/10us
Distance Measure Accuracy	± (1m + 0.005%×distance + sampling space)
Sampling Resolution	25cm~8m
Loss Resolution	0.001 dB
Distance Resolution	0.001m
Refractive Index	1.0000~2.0000
Reflection Detect Accuracy	±3 dB
Connector	FC/UPC(Interchangeable SC, ST)

Optical Power Meter	
Calibrated Wavelength	850/1270/1300/1310/1490/1550/1577/1610/1625/1650nm
Power Range	-50~+26dBm
Frequency Identification	270Hz/330Hz/1kHz/2kHz
Accuracy	±5%
Connector	Universal 2.5mm
Stabilized Laser Source	
Wavelength	Same as OTDR working wavelength
Output Power	-5dBm±3dB (adjustable)
MOD	CW/270/330/1kHz/2kHz
Uncertainty	±5%
Connector	FC/UPC (Interchangeable SC, ST)
Optical Loss Test	
Stabilized Laser Source	Same as SLS module
Optical Power Meter	Same as OPM module
IL Test	Support
Visible Fault Locator	
Wavelength	650nm
Output Power	≥10mW
MOD	CW/1Hz/2Hz
Connector	Universal 2.5mm
General	
Display	3.5-inch touch screen, 320*480 pixels
Battery	3,000mAh/3.7V
Power Adapter	USB Type-C
Storage	≥400 records (internal memory), support external SD card
Working Temperature	-10℃~50℃
Storage Temperature	-40℃~+70℃
Humidity	0~90% (Non-condensing)
Size	143x78x33.5mm
Weight	280g (include battery)

* Specifications subject to change without prior notice

Notes:

(1) Typical dynamic range with longest pulse and 3-minute averaging at SNR=1.
(2) Typical, for reflectance at -55dB, 5ns pulse width.

Standard Package Includes:
Instrument, Lithium Battery, USB Data Cable, Warranty Card, Production Test Report, Soft Carrying Case