

palmOTDR-S120 Series Entry-Level OTDR

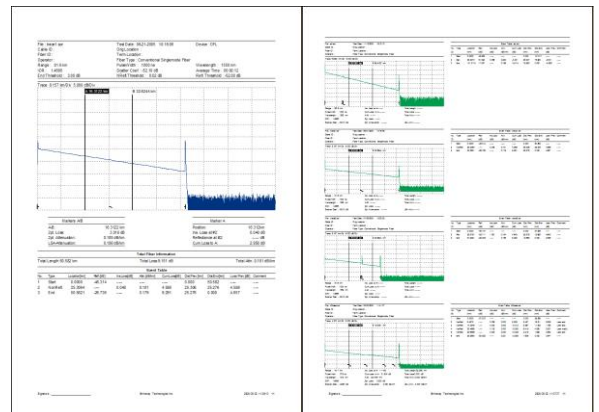
- ◆ The lowest cost fully functional OTDR
- ◆ Graphic display of test results
- ◆ Dynamic range up to 28dB
- ◆ Quick start: <5 seconds
- ◆ Perfect user interface, handheld & lightweight (1kg)
- ◆ Hotkeys: Easiest operation in the world, push-and-test
- ◆ 1000 test records storage
- ◆ Bellcore file format (.sor)
- ◆ PC software for batch data processing
- ◆ USB/RS-232 data interface, driver-free
- ◆ Multiple languages:
EN/DE/IT/FR/ES/PT/RU/KR/VN/CN etc.
- ◆ 10 hours continuous operation with battery
- ◆ Dust-shock proof (2m drop test)



TraceManager Software

TraceManager software can display, analyze and edit trace files, generate and print comprehensive test and analysis reports in various forms.

- Trace viewing, events analysis
- Batch editing and flexible printing
- Trace viewing, events analysis
- Multi traces comparison
- Batch editing and flexible printing
- Bidirectional testing (Optional)
- CSV/ASCII report formats



Specifications

Model	palmOTDR-S120A	palmOTDR-S120B
Wavelength (±20nm)	1310/1550	1310/1550
Dynamic Range	24/24dB	28/28dB
Rang of Use	Singlemode fiber	Singlemode fiber
Dead Zone	EDZ: 5m	EDZ: 2.5m; ADZ: 8m
Connector	FC/PC (Interchangeable SC, ST)	FC/PC (Interchangeable SC, ST)
Distance Measure Accuracy	$\pm(1m + 5 \times 10^{-5} \times \text{Distance} + \text{sampling space})$	$\pm(1m + 5 \times 10^{-5} \times \text{Distance} + \text{sampling space})$
Attenuation Detect Accuracy	±0.05 dB/ dB	±0.05 dB/ dB
Reflection Detect Accuracy	±4 dB	±4 dB
Data Storage	1000 records	1000 records
Connectivity	RS-232/USB	RS-232/USB
Power Supply	NiMH Rechargeable Battery/ AC Adapter	NiMH Rechargeable Battery/ AC Adapter
Battery Life	10 hours continuous operation/ 20 hours standby	10 hours continuous operation/ 20 hours standby
Operating Temperature	-10°C ~ 50°C	-10°C ~ 50°C
Storage Temperature	-20°C ~ 70°C	-20°C ~ 70°C
Relative Humidity	0 to 95% (non-condensing)	0 to 95% (non-condensing)
Weight	1kg (2.2 lbs)	1kg (2.2 lbs)
Dimensions (H x W x T)	220×110×70mm (8.7×4.3×2.7 inch)	220×110×70mm (8.7×4.3×2.7 inch)

Functional Module Specifications

Visible Fault Locator Module	
Wavelength (±20nm)	650nm
Output Power (dBm)	≥-3
Max Measurement Range	5 Km
Optical Power Meter Module	
Calibrated Wavelength (nm)	850,1300,1310,1490,1550,1625
Power Range (dBm)	-70 ~ +6 (-60 ~ +6 @ 850nm)
Detector Type	InGaAs
Display Resolution	0.01dB
Accuracy	± 5% ± 0.01nW (±0.5dB@850nm)
MOD Identification	1K, 2K Hz

* Specifications subject to change without notice

Ordering Information

Standard Package Includes:

Instrument, Rechargeable battery, AC adapter, TraceManager software CD, USB data transfer cable, Warranty card, CE certificate, Certificate of calibration

Optional information

1. *palmOTDR-S120X-V* with visual fault location function
2. *palmOTDR-S120X-P* with power meter function