

## palmOTDR-S120 Series Entry-Level OTDR

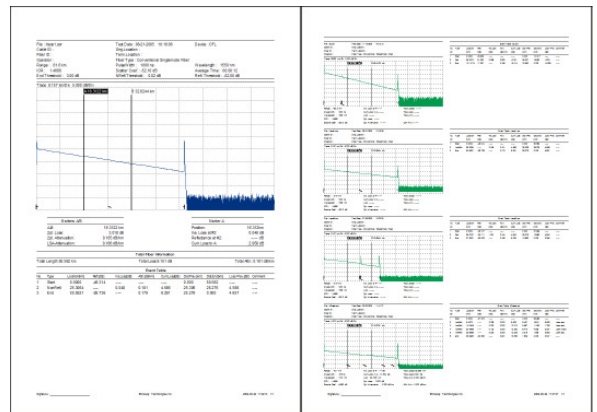
- ◆ The lowest cost and the fully functional OTDR
- ◆ Graphic display of test results
- ◆ Dynamic range up to 30dB
- ◆ Quick start: <5 seconds
- ◆ Perfect user interface, handheld & lightweight (1kg)
- ◆ Hotkeys: Easiest operation in the world, push-and-test
- ◆ 1000 test records storage
- ◆ Bellcore 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 ( $\pm 20\text{nm}$ )	1310/1550	1310/1550
Dynamic Range	24/24dB	28/28dB
Rang of Use	Singlemode fiber	Singlemode fiber
Dead Zone	EDZ: 5m	EDZ: 3.5m; ADZ: 13m
Connector	FC/PC (Interchangeable SC, ST)	FC/PC (Interchangeable SC, ST)
Distance Measure Accuracy	$\pm(1\text{m} + 5 \times 10^{-5} \times \text{Distance} + \text{sampling space})$	$\pm(1\text{m} + 5 \times 10^{-5} \times \text{Distance} + \text{sampling space})$
Attenuation Detect Accuracy	$\pm 0.05 \text{ dB/ dB}$	$\pm 0.05 \text{ dB/ dB}$
Reflection Detect Accuracy	$\pm 4 \text{ dB}$	$\pm 4 \text{ dB}$
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	$-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$	$-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$
Storage Temperature	$-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$
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)	220x110x70mm (8.7x4.3x2.7 inch)	220x110x70mm (8.7x4.3x2.7 inch)

## Functional Module Specifications

<b>Visible Fault Locator Module</b>	
Wavelength ( $\pm 20\text{nm}$ )	650nm
Output Power (dBm)	$\geq -3$
Max Measurement Range	5 Km
<b>Optical Power Meter Module</b>	
Calibrated Wavelength (nm)	850,1300,1310,1490,1550,1625
Power Range (dBm)	$-70 \sim +6$ ( $-60 \sim +6$ @ 850nm)
Detector Type	InGaAs
Display Resolution	0.01dB
Accuracy	$\pm 5\% \pm 0.01\text{nW}$ ( $\pm 0.5\text{dB}$ @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



**POLYTEC GmbH**  
Tel: +49 (72 43) 604 174 0

**Polytec-Platz 1 - 7**  
Fax: +49 (72 43) 6 99 44

**D -76337 Waldbronn**  
E-Mail: [ot@polytec.de](mailto:ot@polytec.de)

**GERMANY**  
[www.polytec.de](http://www.polytec.de)