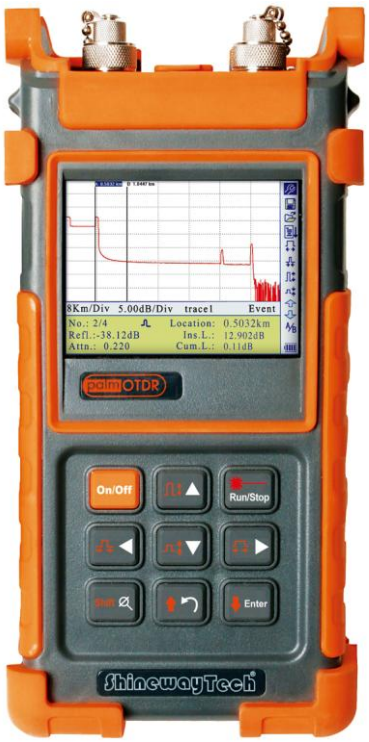
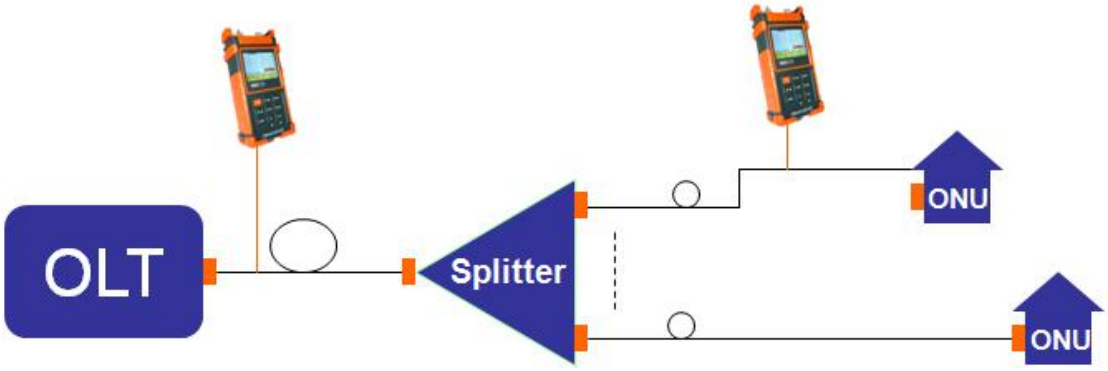
palmOTDR/N Series Handheld OTDR

Most Compact High-Performance OTDR

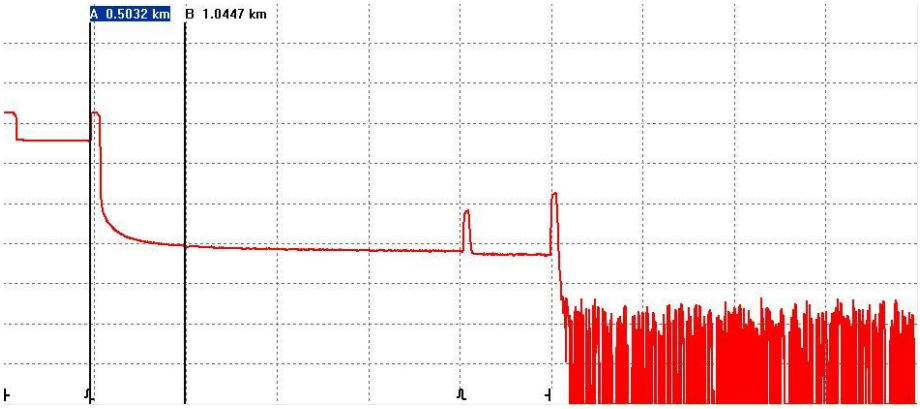
- Ideal for LAN/WAN/FTTx certification & trouble-shooting
- FTTx in-service testing/ Testing through ≥1×64 splitter:
  Model S20C/X & S16C/N (1625nm with filter)
- Splitter & fiber-end identifiable
- Perfect MMI, handheld & lightweight (only 1kg)
- Overall fiber applications:
  SM: 1310/1490/1550/1625nm (with filter), up to 45dB
  MM: 850/1300nm, 18/22dB
- Value-added 650nm VFL
- Quick start: <5 seconds
- Hotkeys: Easiest operation in the world, push-and-test
- High precision measurement
- 1000 test records storage (Type C)
- 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)
- CE, FCC, FDA certificates



palmOTDR/N series handheld OTDR supports averaging and real-time tests featuring compact design, excellent stability, user-friendliness and cost-effectiveness. The hotkeys enable convenient events review and analysis. A variety of models are available for singlemode/multimode fibers and LAN/WAN/FTTx applications. With TraceManager software, you can save and transfer test data from OTDR to PC for further analysis, reporting and printing.



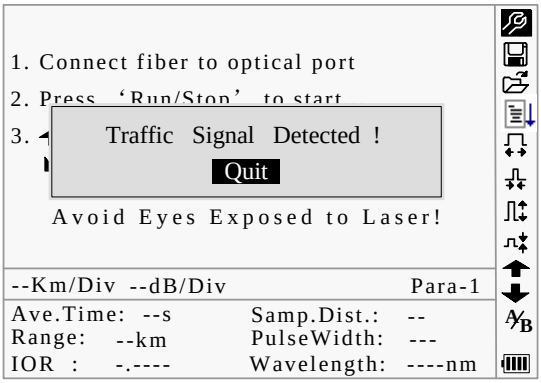
- In-service testing (1625nm with filter)



- Testing through ≥1×64 splitter, splitter and fiber end identifiable

In-service Optical Signal Check

When OTDR tests with 1310/1490/1550nm wavelength, the in-service signals transmitting in the tested fiber may not only affect OTDR measurements but also damage the equipments connected to the network (SDH/WDM/PON) and OTDR receiver. palmOTDR series avoids the problem by starting in-service communication check before testing with message warning and auto termination functions to effectively protect test instruments and communications equipments.



OTDR 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
- Multi traces comparison
- Batch editing and flexible printing
- Bidirectional testing

Specifications

Model [1]	Wavelength (±20nm)	Dynamic Range[2]	Event DeadZone(m)[5]	Attenuation DeadZone(m)[5]
palmOTDR- M20A/N	850/1300	18/22dB	7[6]	20[6]
palmOTDR- S20A/N	1310/1550	24/24dB	10	25
palmOTDR- S20B/N	1310/1550	32/32dB	2.5	14
palmOTDR- S20C/N	1310/1550	38/37dB	2.5	14
palmOTDR- S20C/N+	1310/1550	45/43dB	2.5	14
palmOTDR- S16C/N	1625	37dB	1.5	10
palmOTDR- S20C/P	1310/1490/1550	38/37/37dB	2.5	14
palmOTDR- S20C/X	1310/1550/1625	38/37/37dB	1.5	10
Selectable Range (Km) [3]	0.1,0.3,0.5,1.3,2.5,5,10@850nm; 0.1,0.3,0.5,1.3,2.5,5,10,20,40,80@1300nm; 0.3,1.3,2.5,5,10,20,40,80,120,160,240@others			
Pulse Width [4]	12ns,30ns,100ns,275ns,1μs@850nm; 12ns,30ns,100ns,275ns,1μs,2.5μs@1300nm 5ns,10ns,12ns,30ns,100ns,275ns,300ns,1μs,2.5μs,10μs,20μs@others			
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	Type C: 1000 records; Type A/B: 300 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 (H×W×T)	220×110×70mm (8.7×4.3×2.7 inch)			
Visible Fault Locator (Only available with Type B/N and C/N)				
Output Power (dBm)	≥-3			
Max Measurement Range	5 Km			

Notes:

(1) Specifications describe the instrument's warranted performance, measured with typical PC-type connectors. Uncertainties due to the refractive index of fiber are not considered;

(2) The dynamic range is measured at maximum pulse width within averaging time of 3 minutes;

(3) Among the selectable ranges 160km and 240km are only for type B, C; 120Km is only for type A;

(4) Among the pulse widths 5ns, 10ns, 300ns, 10us and 20us are only available for type B, C; 12ns and 275ns are only for type A;

(5) Conditions for dead zone measurement: For type A, reflection events are within a range of 2.1Km, reflection intensity is less than -35dB, measured at pulse width of 30ns; For type B, C, reflection events are within a range of 0.6Km, reflection intensity is less than -45dB, measured at pulse width of 10ns (event dead zone) and 30ns (attenuation dead zone);

(6) Conditions for dead zone measurement: When reflection events are within a range of 1km, reflection intensity is less than -32dB; and the dead zone is measured at pulse width of 12ns.

* Specifications subject to change without notice

Ordering Information

Standard Package Includes:

Instrument, FC/PC connector, NiMH battery, TraceManager software CD, Data cable(USB/RS-232), AC adaptor, Soft carrying case, Warranty card, CE certificate, Certificate of calibration, Quick reference guide.

Optional Parts

Part Description	Part Number (P/N)	Part Description	Part Number (P/N)
50M Optical patch cord	AC-FJC-50-FC/FC	ST OTDR Connector	AC-CONN-ST-L2
SC OTDR Connector	AC-CONN-SC-L2	Deluxe Tool Box	AC-PB-40