

# palmOTDR/N Series Handheld OTDR

Most compact high-performance OTDR 

*palmOTDR/N Series OTDR supports averaging and real-time tests featuring compact design, excellent stability, user-friendliness and cost-effectiveness. A variety of models are available for single mode/multi mode fibres 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.*

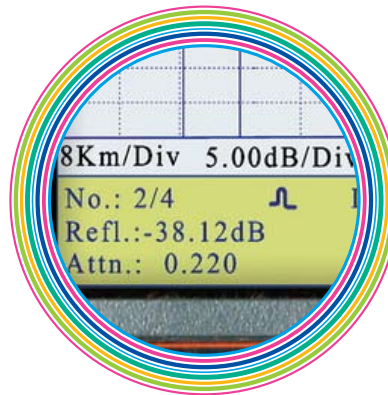
## Features

- Overall fibre applications: single & multi mode
- Dynamic range: up to 45dB
- FTTx in-server test/test trough 1x64 spiller: Model S16C/N & S20 C/X (1625nm with filter)
- Splitter & fibre-end identifiable
- Value added 650nm VFL
- Hot keys: easiest operation in the world, push-and-test
- Long lasting power: 8 hours continuous operation with one charge
- Quick startup: <5 secs
- Connectivity: USB & RS232
- Large internal memory: 1000 records
- Bellcore file format (.sor)
- 9 languages: EN, DE, FR, ES, PT, RU, KR, VN, CN
- Lightweight: 1kg (2.2lbs)
- Safe and solid: CE, FCC, FDA & 2M drop test

## OTDR TraceManager Software

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

- Trace viewing, events analysis
- Multi traces comparison
- Batch editing and flexible printing
- Bidirectional testing



# Specifications

| Model            | Wavelength (±20nm) | Dynamic range | Event Deadzone | Attenuation Deadzone (m) |
|------------------|--------------------|---------------|----------------|--------------------------|
| palmOTDR-M20A/N  | 850/1300           | 18/22dB       | 7              | 20                       |
| 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) <sup>(1)</sup> | 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 <sup>(2)</sup>           | 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 x 10 <sup>-5</sup> x distance + sampling space)   |
| Attenuation Detect Accuracy          | ± 0.05dB/dB   |
| Reflection Detect Accuracy           | ± 4dB   |
| Data Storage                         | Type C: 1000 records; Type A/B: 300 records   |
| Connector                            | FC/PC (Interchangeable SC, ST)  |
| Power Supply                         | NiMH Battery/AC Adapter   |
| Battery Life                         | 8 hours continuous operation; 20 hours standby (on one charge)  |
| Weight                               | 1Kg (2.2 lbs)   |
| Dimensions (HxWxT)                   | 220 x 110 x 70mm (8.7 x 4.3 x 2.7 inch)   |

## Visible Fault Locator (Available with Type B/N and C/N)

|                       |      |
|-----------------------|------|
| Output Power (dBm)    | ≥ -3 |
| Max Measurement Range | 5km  |

**NOTE** (1) Among the selectable ranges 160km and 240km are only for types B, C; 120km is only for type A.

(2) Among the pulse widths 5ns, 10ns, 300ns, 10µs and 20µs are only for type B, C; 12ns and 275ns are only for type A.

\*Specifications subject to change without notice