







PRODUCT DATA SHEET

Optical Time Domain Reflectometer

Features:

- 1). Boasting a full touch-screen design, it delivers lightning-fast image processing. Finger combination controls enable seamless zooming in and out.
- 2). With a large-capacity Li-battery, it supports self-charging and reverse charging functionality.
- 3). Streamlining operations with one-button testing, its event mapping feature enables intelligent link analysis.
- 4). Expandable up to 150GB with a U disk, it offers ample trace storage.
- 5). Featuring a 5-inch HD capacitive screen, it ensures flawless human-computer interaction.
- 6). Supporting multiple wavelengths, it caters to diverse testing requirements.
- 7). Equipped with a light testing self-protection system, it ensures device safety.
- 8). Capable of conducting tests under weak light conditions, it maintains versatility in various settings.



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| 5 inch-touch LCD color Screen | OPM | VFL |
|  |  |  |
| OLS | Ethernet Cable test | Event Map |

Packing List:



Parameters:

| Model No. | NTOTDR-3000-A | NTOTDR-3000-S |
|----------------------------------|--|---|
| Wavelength ($\pm 20\text{nm}$) | 1310nm/1550nm | Support online-testing wavelength 1550nm |
| Dynamic Range (dB) | 24/22 | 22 |
| Pulse Width | 10ns, 20ns, 50ns, 100ns, 300ns, 1.0us, 2.5us, 10us, 20us, 25us | |
| Event Dead Zone (m) | 2 | |
| Attenuation Dead Zone (m) | 10 | |
| Distance Range (km) | 0.5 - 160 | |
| Distance Uncertainty | $\pm (1 + 0.005\% \times \text{distance} + \text{sampling resolution})$ | |
| Loss Measurement Accuracy | $\pm 0.05\text{dB/dB}$ | |
| Date Sampling Point | 12800 | |
| Memory Capacity | 1000 Curves | |
| Fiber Type | Single-mode | |
| LCD Size | 5-inch HD color touch screen | |
| Capacity of Screen Touches | > 10 million times | |
| Standard Interface | FC / SC / ST / LC optional | |
| VFL (Visual Fault Locator) | | |
| Wavelength | 650nm ± 20 | |
| Output Power | $\leq 2\text{mW}$ standard | |
| Standard Connector | FC/UPC | |
| OPM (Optical Power Meter) | | |
| Model | A | B |
| Wavelength Range (nm) | 800 - 1700 | 800 - 1700 |
| Detection Range (dBm) | -60 - +16 | -50 - +26 |
| Detector Type | InGaAs | |
| Calibration Wavelength (nm) | 850nm, 980nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm | |
| Linearity | $\pm 5\%$ | |
| Flange Form | FC, SC, LC, ST (optional) | |
| OLS (Optical Light Source) | | |
| Wavelength (nm) | 1310/1550 | |
| Output Power (dBm) | ≥ -7 | |
| Ethernet Cable Test | Network cable length test | |
| Network Cable Test Function | Can realize network cable open circuit, short circuit, out of order test. Roughly detect the fault location of the network cable. | |
| Other | | |
| Battery | 5000 mAh Li-battery | |
| Li-battery | > 10 hours (according to Bellcore TR-NWT-001138) | |
| Dimension (mm) | 165 x 130 x 45mm (L x W x H) | |
| Weight (kg) | 1 kg | |