



F.O. HANDHELD OTDR

1. GERERAL DESCRIPTION

This advanced diagnostic tool for optical fibers allows the Fiber Engineer to take a snapshot of a fiber link. The OTDR sends short pulses of light down one end of a fiber at a specified repetition rate. Light reflected back from fiber discontinuities and light continuously back scattered from the fiber itself travels back to the OTDR, where the instrument records the optical power and arrival time. The arrival time of the pulse from a given point in the fiber is related to its distance from the OTDR. With this information, the OTDR graphically displays returned power versus distance. OTDRs are well-equipped for troubleshooting problems because they allow you to visually locate reflective events like connections and fiber breaks and non-reflective events like splices and tight bends by studying the graphical trace. The power difference between two points on the trace is an estimate of optical loss.

- Automatic one-button testing
- 1310/1550 wavelength (Single-mode ITU-T G.657)
- Short dead zone (8m)
- High speed signal processing, short test time and fast analysis
- Internal memory can store up to 10,000 waveforms
- High contrast color TFT LCD
- USB port for PC connection
- Input laser signal auto detection and self-protection function
- Built-in VFL with CW/2Hz mode (Universal port)
- User-friendly OTDR simulation software shows details of events
- Integrated handheld design, small, light, easy to carry and suitable for field work

2. ORDER INFORMATION

Part Number	Descriptions
UF-2872	F.O. HANDHELD OTDR

3. SPECIFICATIONS

Dynamic Range*	26dB / 28dB
Max.Distance**	100km.
Wavelength	1310/1550nm.
Event Dead Zone ***	1.5m
Attenuation Dead Zone	8.0m
Sampling Point	30,000 points
Sampling Resolution	1.2m
Pulse Width	10ns, 25ns, 50ns, 100ns, 250ns, 500ns, 1µs, 2.5 µs, 5 µs, 10 µs
Distance uncertainty	± (0.8m ± 0.001% * testing distance ± resolution)
Loss Resolution	0.001dB
Loss Threshold	0.01dB
Min.Distance Resolution	1m
Connector	FC&SC interchangeable adapter (optional: ST, LC interchangeable adapters)
VFL	1mW
Data Storage	> 10000 traces (standard 1GB SD card)
Display	3.5 inch TFT color LCD
Interface	USB 2.0
Battery	Built-in rechargeable battery
Working Time	>10 hrs (Bellcore TR-NWT-001138)

*Pulse width 10µs, average time >5 minutes, SNR=1, 23°C ± 2°C

**At 1550nm, one fiber without adapter and splicing connection inside

***Pulse width 10ns, terminal reflection loss>40dB

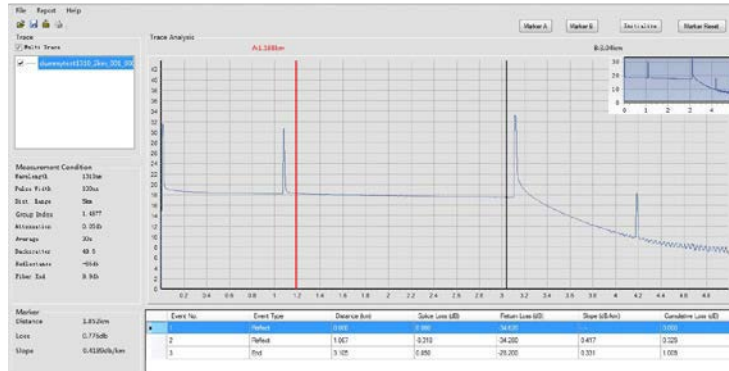
4. GENERAL SPECIFICATION

Size(H*W*D)	197mm * 107mm * 67mm
Weight	About 750g
Storage Temperature	-20°C to +60 °C, < 90%RH
Operating Temperature	-10°C to +50 °C, < 90%RH

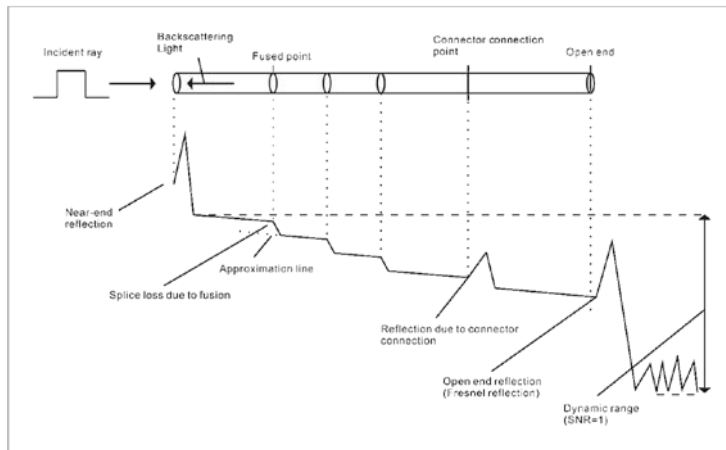
5. ACCESSORIES

Standard	Optional:
FC interchangeable connector *1	ST interchangeable connector *1
SC interchangeable connector *1	LC interchangeable connector *1
AC/DC adapter with power cord	
Operation guide *1	
Carrying bag *1	
Certificate of Calibration *1	
USB cable *1	
SD card *1	
CD with Software installation *1	

6. DELICATE REPORT



7. OTDR TESTING



- END OF SPECIFICATION -