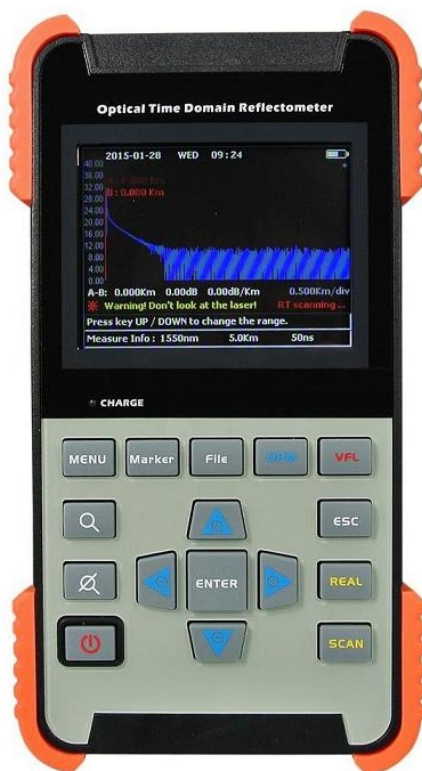


### GENERAL DESCRIPTION

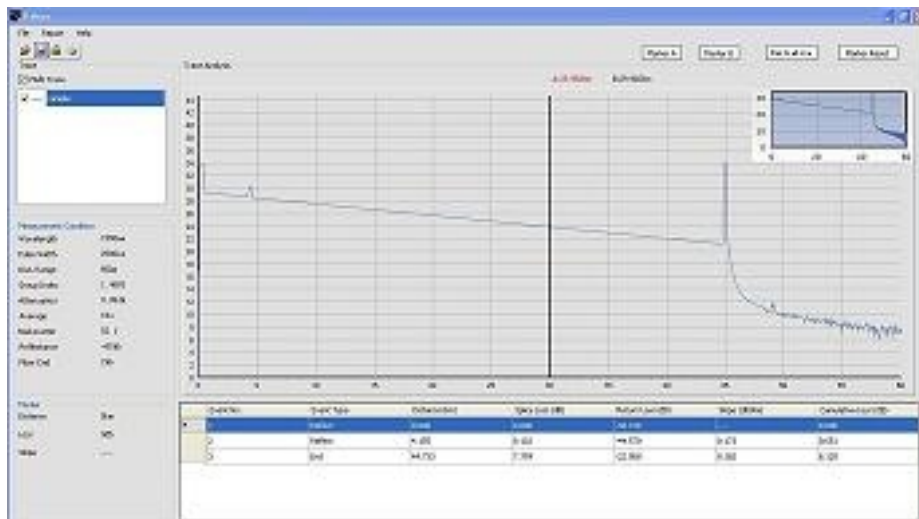
This advanced diagnostic tool for optical fibres allows the Fibre Engineer to take a snapshot of a fibre link. The OTDR sends short pulses of light down one end of a fibre at a specified repetition rate. Light reflected back from fibre discontinuities and light continuously back scattered from the fibre 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 fibre 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 fibre 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.



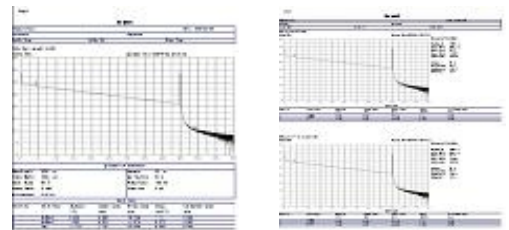
- Automatic one-button testing
- 1310/1550 or 1310/1550/1625 nm wavelength
- PON online test (only AOR500-P Series)
- Short dead zone(8m)
- High speed signal processing, short test time and fast analysis
- Internal memory can store up to 10000 waveforms
- High contrast color TFTLCD
- USB port connect to PC
- Input laser signal auto detection and self-protection function
- Built-in VFL
- User-friendly OTDR simulation software shows details of events



## Delicate Report

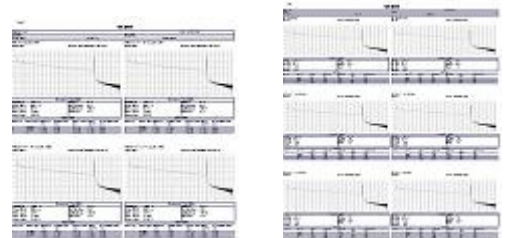


Smart PC Software



1 in 1

2 in 1

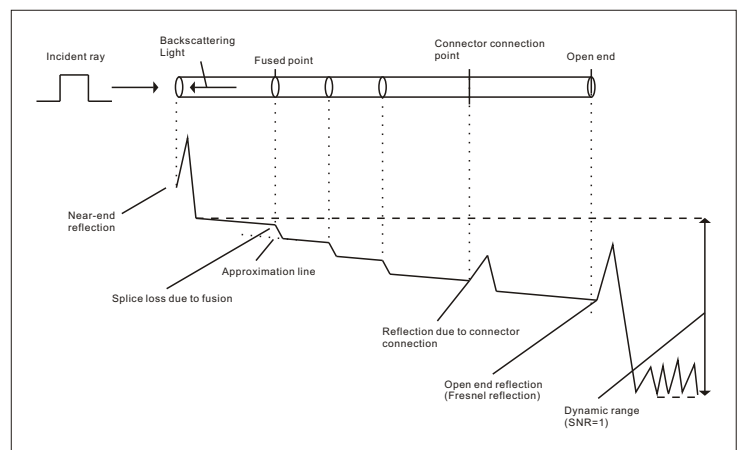
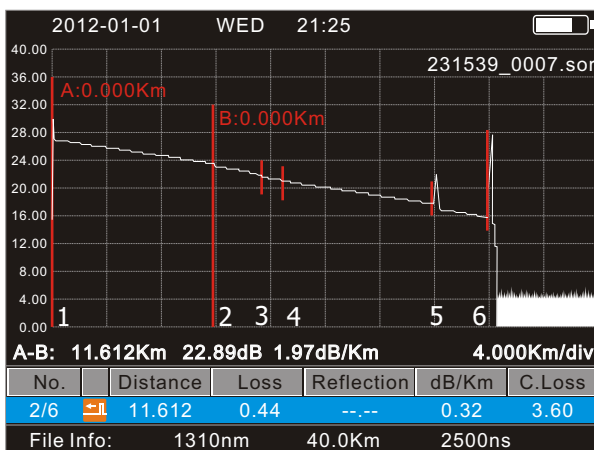


4 in 1

6 in 1



## OTDR Testing



## SPECIFICATIONS

Model	AOR500-S	AOR500-A	AOR500-B	AOR500-C	AOR500-PB (PC)
Dynamic Range*	24dB / 22dB	28dB / 26dB	32dB / 30dB	36dB / 34dB	PON Online OTDR
Max.Distance**	80km	100km	120km	140km	120km or 140km
Wavelength	1550/1310nm	1550/1310nm	1550/1310nm	1550/1310nm	1550/1310/1625nm
Event Dead Zone***	1.5m				
Attenuation Dead Zone	8.0m				
Pulse Width	10ns, 25ns, 50ns, 100ns, 250ns, 500ns, 1us, 2.5us, 5us, 10us				
Distance uncertainty	$\pm(0.8m \pm 0.001\% * \text{testing distance} \pm \text{resolution})$				
Loss Resolution	0.001dB				
Min.Distance Resolution	1m				
Connector	FC interchangeable adapter (optional: SC,ST,LC interchangeable adapters)				
VFL	1mW				
Data Storage	> 10000 traces (standard 1GB SDcard)				
Display	3.5 inch TFT color LCD				
Interface	USB				
Battery	Built-in rechargeable battery				
Working Time	>10 hrs (Bellcore TR-NWT-001138)				

\* pulse width 10us, 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

## GENERAL SPECIFICATIONS

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

## ACCESSORIES

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