

OTDR RS-OTDRE



ORDERING INFORMATION

RS-OTDRE

Technical Specifications ¹					
Wavelength (nm)	850/1300	1310/1550		1310/1490/1550	1625
Dynamic range (dB) ²	23/21	32/30	38/36	32/30/30	34 ⁴ 36 ⁵
Pulse width (ns)	5, 20, 40, 80, 160, 320, 640, 1280	5, 20, 40, 80, 160, 320, 640, 1280, 2560, 5120, 10240, 20480			
Event blind zone (m) ³	3m	3m			
Attenuation blind zone (m) ³	13m	13m			
Linearity (dB/dB)	±0.05 dB/ dB				
Loss threshold (dB)	0.05				
Loss resolution ratio (dB)	0.01				
Sampling resolution ratio (m)	0.125 to 8				
Sampling point	32K				
Distance uncertainty (m)	±(1 m + 5×10 ⁻⁵ × distance + sampling interval)				
Distance scope (km)	0.3 to 180				
Typical real-time refreshing duration (s)	0.2				

Memory capacity of trace	SD Card (4G), > 10000 pieces		
Duration of measurement	Defined by user; 5sec, 10sec, 15sec, 30sec, 1min, 2min, and 3min are selectable		
General specification		Interface category	
Dimension (H×W×D)	150×235×66	Optical interface	FC/UPC (PC, and APC are selectable)
Weight	1.5kg	Data interface	USB interface, SD card interface
Temperature	Running temperature -10°C to 50°C	Visible failure orientation VFL	
	Memory temperature -40°C to 70°C		
Relative humidity	0% to 95% (non condensation)	Wavelength	650nm
Power supply	Lithium battery; continuing working duration ≥ 8 hours	Output power (dBm)	≥-3
Warranty period	24 months	Maximum testing distance	3km
<p>Remarks: 1. The technical specification describes the ensured performance of the instrument when using typical PC model connector to measure. Without considering the uncertainty caused by optical fiber refractivity.</p> <p>2. Dynamic range is the data measured under the condition of the maximum pulse width and 3 minutes of average time. Dynamic range is the data measured under the condition of 180km/20480ns/3min.</p> <p>3. Measuring conditions of blind zone: reflection event is within 4Km, reflection strength < -35dB. Measured by the minimum pulse width.</p> <p>4. Dynamic range measured when there is filter.</p> <p>5. Dynamic range measured when there is no filter.</p>			

Structure



- ① Optical interface 1/VFL ② Optical interface 2/OTDR ③ Charging indicator ④ SD card interface
- ⑤ Power adapter interface ⑥ Earphone interface ⑦ USB interface ⑧ Ethernet interface
- ⑨ Home page button ⑩ Measurement/stop button ⑪ Move cursor upwards ⑫ Move cursor downwards
- ⑬ Move cursor to left ⑭ Move cursor to right ⑮ Fix button ⑯ Esc Button
- ⑰ A/B line switching button ⑱ Shift functional button ⑲ Touch screen ⑳ VFL indicator
- ㉑ OTDR measurement indicator ㉒ Power indicator ㉓ Power switch button
- ㉔ Model and name of product ㉕ Storage of rechargeable lithium battery ㉖ U bracket
- ㉗ Touch pen ㉘ Wrist belt