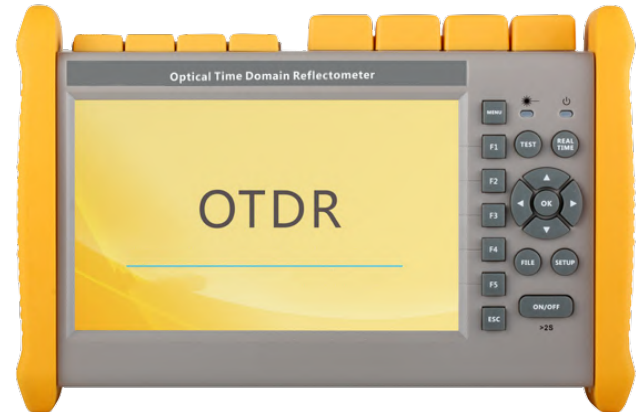


OTDR RS-A1500S

Features:

- Integrated design, smart and rugged.
- IP65 protection level, outdoor enhanced.
- 7-inch anti-reflection LCD screen.
- PON online test module (1625nm) is optional.
- MMF test module (850/1300nm) is optional.
- Support multi-language display and input.



ORDERING INFORMATION

RS-A1500S

General Specifications

Dimension (mm)	253*168*73.6
Weight (Kg)	1.5 (including battery)
Display	7 inches TFT-LCD with LED backlight (touch screen function is optional)
Interface	1*RJ45, 3*USB port (USB 2.0, Type A USB*2, Type B USB*1)
Power Supply	10V(dc), 100V(ac) to 240V(ac), 50~60Hz
Battery	7.4V(dc)/4.4Ah lithium battery (with air traffic certification) Operating time: 12 hours, Telcordia GR-196-CORE Charging time: <4 hours (power off)
Power Saving	Backlight off: Disable/1 to 99 minutes Auto shutdown: Disable/1 to 99 minutes
Data Storage	Internal memory: 4GB (about 40,000 groups of curves)
Languages	User selectable (English, Simplified Chinese, traditional Chinese, French, Korean, Russian, Spanish and Portuguese-contact us for availability of others)
Environmental Conditions	Operating temperature and humidity: -10°C~+50°C, ≤95% (non-condensation) Storage temperature and humidity: -20°C~+75°C, ≤95% (non-condensation) Proof: IP65 (IEC60529)

Technical Parameter			
Type	1310 upstream measurement	1490 upstream measurement	1550 upstream measurement
RS-A1500S-A1	850/1300	19/21	1.5/8
RS-A1500S-A2	850/1300 1310/1550	19/21 35/33	1.5/8
RS-A1500S-A3	850/1300 1310/1550	19/21 40/38	1.5/8 1.75/11
RS-A1500S-A4	1310/1550	26/24	1.5/8
RS-A1500S-A5	1310/1550	32/30	1.5/8
RS-A1500S-A6	1310/1550	35/33	1.5/8
RS-A1500S-A7	1310/1550	40/38	1.75/11
RS-A1500S-A8	1310/1550	43/41	2/14
RS-A1500S-A9	1310/1550	45/43	2/14
RS-A1500S-A10	1310/1550/1625	40/38/38	1.75/11
RS-A1500S-A11	1310/1550/1625	43/41/41	2/14
RS-A1500S-A12	1310/1550/1625	45/43/43	2/14

Test Parameter	
Pulse Width	Single mode: 3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs Multi-mode: 3ns, 5ns, 10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs
Testing distance	Environmental Conditions Single mode: 100m, 500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km, 240km Multi-mode: 500m, 2km, 5km, 10km, 20km, 40km
Sampling Resolution	Minimum 5cm
Sampling Point	Maximum 128,000 points
Linearity	≤0.05dB/dB
Scale Indication	X axis: 4m~70m/div, Y axis: Minimum 0.09dB/div
Distance Resolution	0.01m
Distance Accuracy	±(1m+measuring distance×3×10 ⁻⁵ +sampling resolution) (excluding IOR uncertainty)
Reflectance Accuracy	Single mode: ±2dB, multi-mode: ±4dB
IOR Setting	1.4000~1.7000, 0.0001 step
Units	Km, miles, feet
OTDR Trace Format	Telcordia universal, SOR, issue 2 (SR-4731) OTDR: User selectable automatic or manual set-up

Test Parameter	
Testing Modes	Visual fault locator: Visible red light for fiber identification and troubleshooting Light source: Stabilized Light Source (CW, 270Hz, 1kHz, 2kHz output) Field microscope probe
Fiber Event Analysis	-Reflective and non-reflective events: 0.01 to 1.99dB (0.01dB steps) -Reflective: 0.01 to 32dB (0.01dB steps) -Fiber end/break: 3 to 20dB (1dB steps)
Other Functions	Real time sweep: 1Hz Averaging modes: Timed (1 to 3600 sec.) Live Fiber detect: Verifies presence communication light in optical fiber Trace overlay and comparison

Structure



- 1 Menu selection Button
- 2 Navigation Button
- 3 AVG test Button
- 4 RT test Button
- 5 Test setup Button
- 6 File management Button

- 7 Power Switch
- 8 Charging Port
- 9 USB(A Type) Port
- 10 RJ45 Port
- 11 USB(B Type) Port
- 12 VFL Port

- 13 OTDR1 Port
- 14 OTDR2 Port(Optional)
- 15 PM Port(Optional)
- 16 Battery Compartment
- 17 Supporting Plate
- 18 Crash Pad
- 19 Safety belt buckle