

Palm Optical Time Domain Reflectometer | AOR500

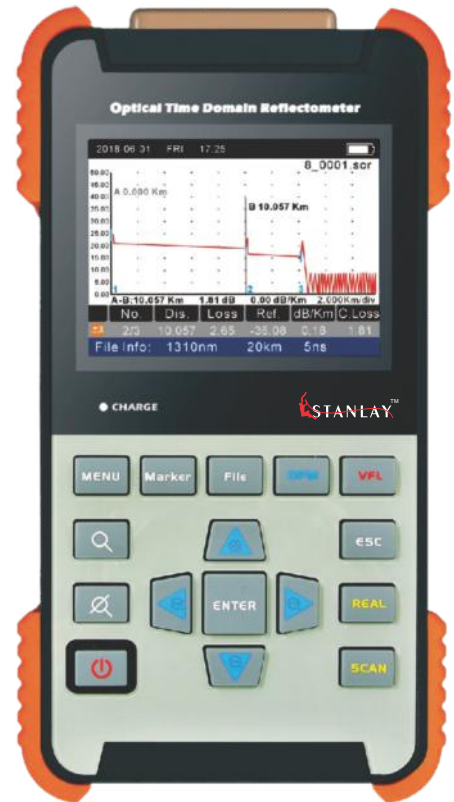


AOR500 **palm OTDR** with a **3.5inch TFT color LCD** is a rugged, handheld, easy to operate OTDR mainly used in FTTx projects or CATV networks to help technicians measure the fiber length and attenuation loss for last mile applications.

The AOR500 is an **economy Mini OTDR** available in **single** mode and **multimode** OTDR variants.

Features:

- Built-in VFL
- Automatic one-button testing
- Wavelength options:
850nm/1300nm/1310nm/1550nm/1625nm
- Integrated PALM design, small, light, easy to carry
- High contrast color TFT LCD
- Input laser signal auto detection and self-protection
- Easy to operate for beginners and experts
- User-friendly OTDR simulation software shows details of events
- Three-year recommended calibration interval



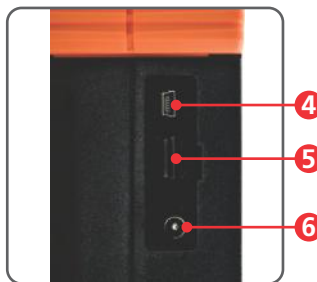
Mid Range



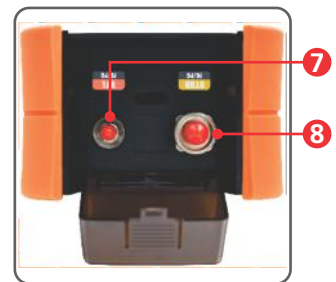
AOR500 Optical Time Domain Reflectometer Functions



- 1 Anti-dust cover
- 2 LCD
- 3 Power button



- 4 USB interface
- 5 TF(micro SD) card slot
- 6 DC Socket



- 7 VFL
- 8 OTDR function

OTDR Module Options		
Model	Operating Wavelengths (nm)	Dynamic Range
AOR500-B	1310/1550	32/30dB
AOR500-PB	1310/1550/1625	36/34/34dB
AOR500-MM-A	850/1300	22/24dB

+

Adaptor Type	
To be specified at time of ordering	
Connector Options	
FC/ UPC=FCU (Default) FC/ APC=FCA (Optional)	
SC/ UPC=SCU (Optional) SC/ APC=SCA (Optional)	
LC/ UPC=LCU (Optional)	
ST (Optional)	

Specifications | AOR500 Optical Time Domain Reflectometer:



Module Options AOR500 +	S	A	B	PB	MM-A
Type of Fiber	Single Mode			Single Mode PON	Multi Mode
Dynamic Range	24/22dB	28/26dB	32/30dB	36/34/34dB	22/24dB
Wavelength (nm)	1310/1550			1310/1550/1625	850/1300
Dual/Triple Wavelength Options	Dual			Triple	Dual
Pulse Width	5ns-10μs		5ns-20μs		5ns-1μs
Distance Range	User settable: 0.1 to 300km (for Single Mode) ; 0.1 to 40km (for Multi Mode)				
Display	3.5 inch color LCD, Touch Screen, Large color display				
Event Dead Zone (EDZ)	1.5m				
Attenuation Dead Zone (ADZ)	5.0m (4m/9m@850nm)				
Distance Accuracy	(0.8+0.005% * Testing Distance + Resolution)				
Resolution	0.001dB				
Min. Distance Resolution	0.1m				
Sampling Points	8000				
Visual Fault Locator (VFL)	1mW (0 dBm)				
Optical Power Meter*	Optional Feature*				
Connector Adaptor*	Default: FC/PC (850/1300/1310/1550), Optional FC/APC (1625) Or SC interchangeable adaptor (Optional: ST, LC interchangeable adaptors)***				
Data Storage	32M Internal Flash Memory (Upto 3000 points), expandable through Micro SD card				
Interface	USB				
Averaging Time Update	Upto 180 secs, user settable				
Size (mm)	197 x 107 x 67				
Weight (g)	Approx. 750				
Storage/ Operating Temperature/ Relative Humidity	-20°C to +60°C/ -10°C to +50°C/ < 90%RH				
Power Supply, Operating Time	Built-in rechargeable battery, > 8hrs operation (>15hrs standby)				
Standard Accessories	Carrying bag, AC/DC adaptor, USB cable, calibration certificate, SD card, manual, (FC/UPC) connector (connector to be specified at time of ordering)				
Optional Accessories	Connector Adaptor: ST/LC/APC				

Ordering Code : AOR500 + W1 + W2 + X1

W1-OTDR Module 1 Example: AOR500-S	+	W2-Connector Adaptor Example: FCU***	+	X1-2nd Connector Adaptor Example: If PON OTDR Selected-SCA
← Default →		← Default →		
Example1: Single mode OTDR (1310/1550nm, 24/22dB)		: AOR500-S-FCU		
Example2: PON OTDR (1310/1550/1625nm)		: AOR500-PB-FCU-SCA		

*** FC is default connector adaptor options, attracting no additional cost

*** In case LC adaptor and/or APC type is required, will need to be ordered as a separate line item similarly for ST adaptor

Alternatively, Corresponding patchcord can be Provided matching your OLT requirement of FC/ PC to SC/ APC patchcord or FC/PC to LC patchcord.



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