

APL-2 Touch Screen Optical Time Domain Reflectometer



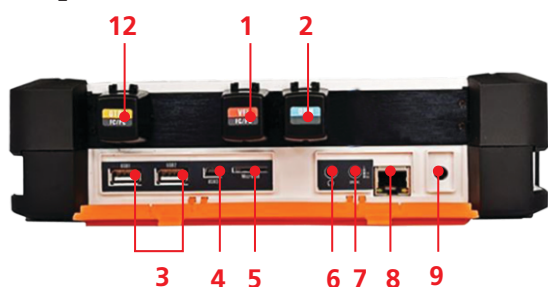
APL-2 Optical Time Domain Reflectometer is a **Multi touch screen** platform **OTDR** with **Built in optical power meter** & **Visual fault locator**, for testing of terrestrial, long distance or datacom optical fiber networks. APL-2 is available in **single mode**, **multimode** and **PON** model variants with the option to customize the OTDR for availability of **upto 5 wavelengths** (by configuring upto 2 distinct OTDR modules in the same OTDR unit).

Features :

- 7 inch color LCD Touchscreen display
- Built in OPM
- Built in VFL
- Wavelength options:
850nm/1300nm/1310nm/1490nm/1550nm/1625nm
- Input Signal Auto Detect
- Data logging & User friendly OTDR Software
- Self Protection function
- Three-year recommended calibration interval



APL-2 Optical Time Domain Reflectometer Functions



- | | | |
|-----------------|------------------|-----------------|
| ① VFL | ⑤ Micro SD Slot | ⑨ AC/DC Socket |
| ② OPM | ⑥ Headset Socket | ⑩ Speaker |
| ③ USB HOST Port | ⑦ Serial Port | ⑪ Back Stand |
| ④ USB OTG Port | ⑧ Ethernet Port | ⑫ OTDR function |

OTDR Module Options		
Model	Ordering Code APL2+	Dynamic Range
SM OTDR Module 1310nm/1550nm	AOR501-B	32/30dB
	AOR501-C	36/34dB
	AOR501-D	40/38dB
	AOR501-E	43/41dB*
PON Online OTDR 1310nm/1550nm/1625nm	AOR501-PB	36dB/34dB/34dB
MM OTDR Module 850nm/1300nm	AOR501-MM-A	22dB/24dB
Customize	2 OTDR Modules can be combined in same OTDR for availability of upto 5 wavelengths. Example: APL 2+ Single Mode AOR501-B (32/30dB) + Multimode AOR501-MM-A (22/24dB) * Currently available in 2 wavelengths (1310/1550nm) only	

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)	

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Specifications APL-2 Optical Time Domain Reflectometer:



Module Options APL2 +	AOR501-B	AOR501-C	AOR501-D	AOR501-E	AOR501-PB	AOR501-MM-A
Type of Fiber	Single Mode				Single Mode PON	Multi Mode
Dynamic Range	32/30dB	36/34dB	40/38dB	43/41dB	36/34/34dB	22/24dB
Wavelength (nm)	1310/1550				1310/1490/1550 Or 1310/1550/1625	850/1300
Dual/ Triple Wavelength Options	Dual				Triple	Dual
Display	7 inch color LCD, Multi-touch screen, Large color display, 1024 x 600 resolution					
Event Dead Zone (EDZ)	1.5m					
Attenuation Dead Zone (ADZ)	4.0m					
Distance Range	User settable 0.1 to 320km (for Single Mode) ; 0.1 to 40km (for Multi Mode)					
Pulse Width	5ns, 10ns, 25ns, 50ns, 100ns, 250ns, 500ns, 1μs, 2.5μs, 5μs, 10μs, 20μs					
Distance Accuracy	(0.8+0.005% * Testing Distance + Resolution)					
Resolution	0.001dB					
Loss Threshold	0.01dB					
Min. Distance Resolution	0.1m					
Sampling Points	Upto 128000					
Measurement Time	Upto 60 minutes, user defined					
Refractive Index	1.00000 to 2.00000					
Averaging Time Update	Upto 180 secs, user settable					
Visual Fault Locator (VFL)	1mW (0 dBm)					
Optical Power Meter (OPM)**	Range T: +8~-70dBm (Default) or Range* C: +26~-50dBm (Optional)					
OPM Wavelength (nm)	850/1300/1310/1490/1550/1625					
OPM Display Resolution	± 0.1dBm					
Connector Adaptor*	FC/PC (850/1300/1310/1550), FC/APC (1625) Or SC interchangeable adaptor (Optional: ST, LC interchangeable adaptors)					
Data Storage	>10000 results (4GB Internal Flash Memory); storage expandable through Micro SD card					
Output Ports/ Interface	2 x USB, 1 x Audiophone jack, RJ 45 10/100M, 1 x Serial Port, 1 x Micro USB					
Size (mm)	245 x 173.5 x 70					
Weight (kg)	Approx. 1.55					
Storage/ Operating Temperature/ Relative Humidity	-20°C to 60°C/ -10°C to 50°C/ < 90%RH					
Power Supply, Operating Time	7.4V/5200mAH Rechargeable lithium-ion batteries, > 8hrs operation (>15hrs standby)					
Standard Accessories	Carrying bag, AC/DC adaptor, USB cable, calibration certificate, SD card, manual, (FC/UPC or SC/UPC) connector (connector to be specified at time of ordering)					
Optional Accessories	Connector Adaptor: ST/LC/APC					

*To be specified at time of ordering **T: denotes Telecom & C denotes Cable TV users.

Ordering Code : APL2 + W1 + W2 + X1 + X2 + Y + Z1 + Z2

W1-OTDR Module 1	W2-Connector Adaptor	X1-OTDR Module 2	X2-Connector Adaptor	Y-VFL Module	Z1-Optical Power Meter	Z2-OPM Connector Adaptor
Example: AOR501-C	Example: FCU	Example: AOR501-MM-A	Example: FCU***	Example: V01	Example: T: +8~-70dBm C: +26~-50dBm	Example: FCU
← Default →	← Optional →	← Default →	← Default →	← Default →	← Default →	← Default →
Example1: Single mode OTDR (1310/1550nm, 36/34dB)				: APL2-AOR501-C-FCU-V01-T-FCU		
Example2: Customized OTDR Single mode(1310/1550nm)+Multimode (850/1300nm)				: APL2-AOR501-C-FCU-AOR501-MM-A-FCU-V01-T-FCU		

*** FC or SC are 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

APL-2 is manufactured by Tribler, one of the worlds largest manufacturer of Optical Test Instruments including OTDR, OPM, OLS and test accessories.



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