

Model: ATTL -321A

Smart OTDR



Key points

- Multiple wavelengths (1310 and 1550 for single mode) support LAN, datacenters, PON, FTTx and outside plant applications as well as customized wavelengths.
- 800×480, 7-inch TFT color LCD touch screen places power and convenience at your finger steps
- Minimum 2.5cm resolution which enables it to locate the event point accurately
- Event dead zone of 0.5m which makes the near connection easy to be supervised
- Automatic monitoring and alarm of incoming optical signals
- Bi-directional Analysis to minimize the possible mismatches
- 256k data sampling points.
- Penetrate an optical splitter of up to 1:128

Technical Specifications

OTDR Module	Wavelength \pm 20nm	Dynamic Range (dB)	EDZ(m)	ADZ(m)
ATTL-321A	1310/1550nm	37/35dB	0.5	3

Distance Accuracy	$\pm (0.75 + \text{sample interval} + 0.0025\% \times \text{range})$ (excluding the refractivity placement error) (m)
Ranging resolution	0.05, 0.1, 0.2, 0.5, 1, 2, 4, 8, 16 and 32m
Test range	0.4, 0.8, 1.6, 3.2, 6.4, 16, 32, 64, 128, 256 and 512km (single-mode);
Pulse Width	5, 10, 30, 80, 160, 320, 640, 1280, 5120, 10240 and 20480ns
Sampling Point	256k
Linearity	0.03 dB/dB
Reflection Accuracy	± 2 dB
Loss Resolution	0.001 dB
OPM	850nm to 1650nm
VFL	650 \pm 20nm
OLS	Wavelengths same as OTDR (i.e. 1310,1550nm)
Refractive Index	1.00000 ~ 1.99999(step: 0.00001)
Display	800 \times 480, 7-inch TFT color LCD (a capacitive touch screen in the standard configuration, and a resistive touch screen optional)
Optical Output Interface	FC/UPC (standard configuration, with SC/APC, FC/APC and SC/UPC (Optional)
Power Supply	AC/DC adapter: AC100V~240V, 50/60Hz and 1.5A DC: 13V(4A) Internal Li battery: 7.2V, 3250mAh, battery operating time: 8h(intermittent)
Storage	200000 with 32GB SD card
External interfaces	USB, Micro-USB and Micro SD
Dimensions	195mm(W) \times 145mm (H) \times 50mm (D)
Weight	About 0.9kg
Environmental adaptability	Operating temperature: -10 $^{\circ}$ C~+60 $^{\circ}$ C (battery charging: -5 $^{\circ}$ C~+40 $^{\circ}$ C) Storage temperature: -40 $^{\circ}$ C ~+70 $^{\circ}$ C (battery: -20 $^{\circ}$ C ~+60 $^{\circ}$ C) RH: 95%, no condensation

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