

MODEL: ATL-1315F3A

Handheld OTDR



Key points

- Multiple wavelengths (1310, 1550 and 1625 or 1650 nm) 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
- A maximum dynamic range of 46dB, and 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)
ATL-1315F3A	1310/1550/1650nm	37/35/35	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	3, 5, 10, 30, 80, 160, 320, 640, 1280, 5120, 10240 and 20480ns			
Sampling Point	256k			
Linearity	0.03 dB / dB			
Loss Resolution	0.001 dB			
Reflectance Accuracy	± 2 dB			
Refractive Index	1.00000 ~ 1.99999(step: 0.00001)			
OPM	850nm to 1650nm			
VFL	650 \pm 20nm			
OLS	Wavelengths same as OTDR (i.e. 1310,1550nm)			
Storage	200000 traces with 32GB SD card			
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/UPC, SC/APC and FC/APC (Optional)			
Power Supply	AC/DC adapter: AC100V~240V, 50/60Hz and 1.5A DC: 17V \pm 3V(2A) Internal Li battery: 10.8V, 6400mAh, battery operating time: 12h			
External interfaces	USB, Micro-USB, 10M/100M Ethernet, earphone and Micro SD			
Dimensions	252mm(W) \times 180mm (H) \times 55mm (D)			
Weight	About 1.5kg			
Environmental adaptability	Operating temperature: -10 $^{\circ}$ C~+60 $^{\circ}$ C Storage temperature: -20 $^{\circ}$ C ~+70 $^{\circ}$ C RH: 5% ~95%, no condensation			
Accessories	AC/DC charger, Carry Case			