# ATTL -321A Handheld Smart OTDR

## Key points

- ➢ **Multiple wavelengths (850, 1300, 1310, 1490, 1550 and 1625 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**

- ➢ **256k data sampling points.**

- ➢ **Penetrate an optical splitter of up to 1:128**

Wi-Fi

OPM

OPS

VFL

**Optical Line Mapper(OLM)**

## Technical Specifications

| OTDR Module | Wavelength ± 20nm | Dynamic Range (dB) | EDZ(m) | ADZ(m) |
|---|---|---|---|---|
| ATTL-321A | 1310/1550nm | Up to 42dB | 0.5 | 3 |

| | |
|---|---|
| Distance Accuracy | ±(0.75 + sample interval + 0.0025% × 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); 0.4, 0.8, 1.6, 3.2, 6.4, 16 and 32km (850nm multi-mode) |
| Pulse Width | 3, 5, 10, 30, 80, 160, 320, 640, 1280, 5120, 10240 and20480ns 3, 5, 10, 30, 80, 160, 320, 640 and 1280ns(850nmmulti-mode) |
| Sampling Point | 256k |
| Linearity | 0.03dB/dB |
| Reflection Accuracy | ± 2 dB |
| Loss Resolution | 0.001 dB |
| OPM | 850nm to 1650nm, +10 to -70dBm |
| VFL | 650±20nm,2mW, Class-2 |
| OLS | Wavelengths same as OTDR (i.e. 1310,1550nm) |
| Refractive Index | 1.00000 ~ 1.99999(step: 0.00001) |
| Display | 800×480, 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: 17V±3V(2A) Internal Li battery: 11.1V, 6800mAh, battery operating time: 12h |
| Storage | 10000 Traces |
| External interfaces | USB, Micro-USB, earphone and Micro SD |
| Dimensions | 195mm(W)×145mm (H)×50mm (D) |
| Weight | About 0.9kg |
| Environmental adaptability | Operating temperature: -10$^o$C~+50$^o$C (battery charging: -5$^o$C~+40$^o$C) Storage temperature: -40$^o$C ~+70$^o$C (battery: -20$^o$C ~+60$^o$C) RH: 95%, no condensation |