# AE2300 Series
## Handheld OTDR

## Key Benefits

- One-button auto test simplifies the and location faults
- Pass/fail analysis accelerate result interpretation and ensure consistent results
- Highly accurate measurement with minimum deadzone of <0.8m
- Fast measurement speed, which can measure a 100 km fiber within 30 seconds
- Rugged design is vibration, dust and humidity proof with 4.3 TFT touch screen
- Long battery life allows user to test all day without recharging the batteries
- Live fiber detection for warning user of a live fiber

The AE2300 is a high performance, handheld OTDR, designed for installation and maintenance of fiber optics networks. This lightweight and rugged OTDR includes a VFL, enabling the user to quickly find impairments and location of the faults.

| Model | Wavelength | Dynamic Range(dB) | Event DZ (m) | Attenuation DZ (m) |
|---|---|---|---|---|
| AE2300L | 1310/1550 | 30/28 | 3 | <15 |
| AE2300 | 1310/1550 | 34/32 | 1.5 | <8 |
| AE2300H | 1310/1550 | 36/34 | 0.8 | <5 |

## Interface (RJ45, USB)

**RJ45**
- Remote control and data sharing

**USB**
- For transferring stored results

**Optical Adapter**
- Easy to replace and clean

## Visual Fault Locator(VFL)

High power visual fault locator could be used to locate fiber problems quickly.

## Auto Diagnosis and Auto Correction

**Optical adapter detection and protection**
- AE2300 triggers an alarm when light injection has been found at the optical adapter detects light.

**Optical adapter connection detection**
- Warning is provided if optical adapter is damaged in order to avoid influencing the test result.

**Self calibration and correction**
- Auto calibration function could self-calibrate the instrument.

## Specifications

| Parameters | |
|---|---|
| Distance | 3m~160km |
| Pulse Width | AE2300L/AE2300: 5ns~20μs, AE2300 3ns~20μs |
| Measurement Time | User-defined |
| Distance Uncertainty | ±(1m +0.0005%×Distance + Sampling Resolution) |
| Loss Threshold | AE2300L/AE2300: 0.05dB, AE2300H 0.03dB |
| Loss Resolution | 0.001dB |
| Distance Resolution | 0.05m |
| Linearity | 0.04dB/dB |
| Sampling Points | 128000 |
| **General** | |
| Display | 4.3″ 16:9 TFT Touch Screen |
| Data Storage | >4000 |
| Optical Adapter | FC/PC, SC/PC |
| Interface | USB, RJ45 |
| Power Supply | AC/DC Adapter, Input AC90-240V ±10%, Output 12V |
| Operating Temperature | -10 ℃ 50℃ |
| Storage Temperature | -40℃ 85℃ |
| Relative Humidity | <80% |
| Weight | <1kg |
| Battery | Lithium Battery; Charging <4 hours, Operating time >8 hours |
| **Accessories** | |
| SC/PC Adapter | 1 |
| AC Adapter | 1 |
| Quick Operating Guide | 1 |
| Package Bag | 1 |
| Disc | Toolbox Software and User Manual |