

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	$\pm(1m + 0.0005\% \times \text{Distance} + \text{Sampling Resolution})$
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 $\pm 10\%$, Output 12V
Operating Temperature	-10 °C 50°C
Storage Temperature	-40°C 85°C
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

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