

AE2300 Series Handheld OTDR

Key Benefits

- One-button auto test simplifies fault location
- Pass/fail analysis speeds up data interpretation and ensures consistent results
- Highly accurate measurement with minimum deadzone of <0.8m
- High-speed measurement; can cover 100km of fiber in under 30s
- Rugged design resists vibration, dust, and humidity factors
- 4.3" backlit TFT touchscreen, easily visible in low-light environments
- Long battery life allows user to test all day without recharging the batteries
- Live fiber detection and alerts



The AE2300 is a high-performance handheld OTDR, designed specifically for installation and maintenance of fiber optics networks. This lightweight and rugged instrument includes a visual fault locator (VFL), enabling the user to quickly locate impairments in the fiber.

Interface (RJ45, USB)

RJ45

- Remote control and data sharing

USB

- For transferring test data

Optical Adapter

- Easy to replace and clean

Visual Fault Locator (VFL)

High-power beam illuminates bends, cracks, or other faults in the optical fiber.

Auto Diagnosis and Auto Correction

Optical adapter detection and protection

- AE2300 triggers an alarm when light injection has been found at the optical adapter

Optical adapter connection detection

- Alerts the user if the optical adapter is damaged, protecting test integrity

Self calibration and correction

- Auto calibration function takes the guesswork out of instrument calibration

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

Specifications

Parameters	
Distance	3m~160km
Pulse Width	5ns - 20µs (AE2300 / AE2300L); 3ns - 20µs (AE2300H)
Measurement Time	User-defined
Distance Uncertainty	±(1m +0.0005%×Distance + Sampling Resolution)
Loss Threshold	0.05dB (AE2300 / AE2300L); 0.03dB (AE2300H)
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 °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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