

AE3100 Series Handheld OTDR

Key Benefits

- High performance OTDR for FTTx and RfOG networks
- 7", 800x480 LCD touchscreen places power and convenience at your fingertips
- Excellent short-distance performance with 0.8m event dead zone and 4m attenuation dead zone
- Broad dynamic range coverage (28 - 39 dB)
- Minimum 5cm resolution
- Intelligent analysis of events
- Excellent stability and repeatability
- "FiberPass" intelligent analysis feature
- Multiple options for your measurement needs, including: VFL, power meter, light source, and optical fiber microscope
- Complete user data ports: support LAN, USB, SD, & more



Applications

Construction, deployment, maintenance, and authentication of the following networks:

- FTTx
- Long Haul Networks
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- Metropolitan Area Networks (MAN)

Excellent Short-Distance Characteristics



From Deviser Instruments' 4th generation of OTDR, the field-portable AE3100 marks a giant leap forward in fiber-optic measurement performance and utility.

Featuring intuitive touchscreen controls, real-time data analysis, and more, the AE3100 is the ideal test instrument for constructing, deploying, maintaining, and authenticating FTTx networks - as well as verifying access networks. Multiple models and configuration options ensure your unique measurement needs are covered. Dual or multiple wavelengths and a choice of dynamic ranges (spanning from 28 to 39dB) are also available.

High Performance Splitter Penetration (1:16)



AE3100 Specifications (by model)

Model	AE3100A	AE3100B	AE3100C	AE3100D	AE3100CP-1	AE3100CP-2	AE3100CP-3
General							
Wavelength(nm)	1310/1550				1310/1550/1625	1310/1550/1650	1310/1550/1490
Wavelength Accuracy (nm)	± 20						
Dynamic (dB)	30/28	34/32	36/34	39/37	37/35/35		
Event Dead Zone (m)	≤ 1.5m	≤ 1.5m	≤ 0.8m				
Atten. Dead Zone (m)	≤ 6m	≤ 5m	≤ 4m	≤ 4m			
Distance	100m, 400m, 1.5km, 3km, 6km, 12km, 25km, 50km, 100km, 200km, 400km						
Sampling Resolution (m)	0.05 ~ 12.8						
Sampling Points	256000						
Distance Accuracy (m)	±(0.75m + 0.005% x Distance + Sampling Resolution)		±(0.75m + 0.001% x Distance + Sampling Resolution)				
Loss Threshold	0.01 dB						
Loss Resolution	0.001 dB						
Pulse Width	3ns, 5ns, 10 ns, 30 ns, 50 ns, 100 ns, 200 ns, 500 ns, 1μs, 2μs, 5μs, 10μs, 20μs						
Meas. Time Range	5s ~ 5min, real-time						
Storage	>10,000 OTDR traces, transferrable to USB storage or PC						
Other							
Display	7-in. (178mm) 800×480 dot matrix TFT touchscreen						
Interface	USB2.0 ×2, RJ45×1, TF×1 (64GB max)						
Battery Life	8 hrs. continuous (at max charge)						
Language	Chinese, English, Spanish, Portuguese, French, Russian, Italian (option for German, Korean & Arabic)						
Dimensions (WxHxD)	206 mm x 171 mm x 75mm (8.11" x 6.73" x 2.95")						
Weight	< 2kg (4.4 lbs)						

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