



Description

As a member of Deviser Instrument's 4th generation of OTDR, the field portable AE3100 offers a giant leap forward in new technology and performance.

Touch screen control, modular platform and real-time analysis are but a few of the new features that make this new OTDR the ideal optical test instrument to verify Access networks, construction, deployments maintenance & authentication of FTTH networks. Various models available to cover a wide range of applications and requirements, dual or multiple wavelengths, from 26 to 37dB.

Key Features

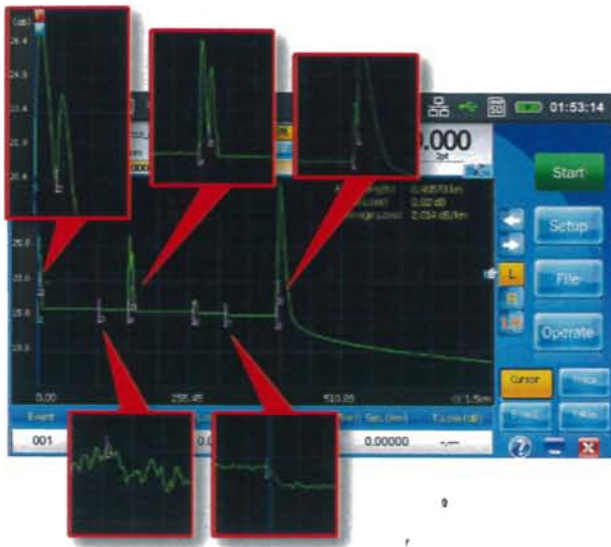
- A 7" touch screen provides a more convenient User Interface and professional User Experience.
- A 0.8m event dead zone and 4m attenuation dead zone provides excellent short distance performance.
- Excellent dynamic range coverage supporting 26 – 37dB dynamic range.
- Min 5cm resolution.
- Intelligent analysis of events.
- Excellent stability and repeatability.
- Multiple options, supporting different measurement plans; VFL, power meter, light source, optical fiber microscope, and QAM analysis module.
- Complete user data ports; support LAN, USB, SD and etc.

Applications

- Construction, deployment, maintenance and authentication of FTTH net.
- Construction, deployment, maintenance and authentication of LAN based fiber.
- Construction, deployment, maintenance and authentication of MAN based fiber.

Excellent characteristics of short distance measurement

Excellent splitter Penetrating ability



Specifications

Model	AE3100A	AE3100B	AE3100C	AE3100D	AE3100CP-1	AE3100CP-2	AE3100CP-3
General Parameter							
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)	≤2m	≤1.5m			≤0.8m		
Attenuation Dead Zone(m)	≤10m	≤7m	≤5m	≤4m			
Distance Range	100m, 400m, 1.5km, 3km, 6km, 12km, 25km, 50km, 100km, 200km, 400km						
Sampling Resolution(m)	0.05 ~ 12.8						
Sampling Resolution(m)	256000						
Distance Accuracy(m)	±(0.75m + 0.005% x Distance + Sampling Resolution)			±(0.75m + 0.001% x Distance + Sampling Resolution)			
Loss threshold	0.01dB						
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						
Measurement Time Range	5s~5min, real time						
Memory Capacity	>10,000 OTDR traces, exportable to USB or Computer						
Other Parameter							
Display	7 inch (178mm) 800×480 dot matrix TFT touch screen						
Interface	USB2.0 ×2, RJ45×1, LAN×1(10M/100M), TF×1(Max,64GB)						
Battery autonomy	11 hours of measurement usage (Max)						
Language	Chinese, English, Spanish, Portuguese, French, Russian, Italian (German, Korean and Arabic are optional)						
Dimension(LxWxD)	206 mm x 171 mm x 75mm, Inches: 8.11" x 6.73" x 2.95"						
Weight(kg & lbs)	< 2kg or < 4.41lbs						