

DEVISER OTDR AE1001

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Variants

APC UPC

Details

DEVISER OTDR AE1001 – Specifications

Category	Spec
Model	DEVISER AE1001
Product Type	Mini OTDR with OPM & VFL
Application	FTTH / FTTx installation, testing & maintenance
Display	4.3" TFT LCD touchscreen (high/low light visible)
Design	Ultra-portable, lightweight (<1 kg)
Test Speed	Dual wavelength test ? 5 sec
Wavelength	1310 / 1550 nm

Category	Specifications
Dynamic Range	26 dB (1310 nm) / 24 dB (1550 nm)
Event Dead Zone	? 3 m
Attenuation Dead Zone	? 10 m
Measurement Range	150 m – 80 km
Pulse Width	3 ns – 20 ?s
Sampling Resolution	Auto / High-resolution mode
Sampling Points	Up to 12,800
Refractive Index	1.000000 – 2.000000
Distance Uncertainty	$\pm(0.75 + 0.005\% \times \text{fiber length} + \text{sampling resolution})$
Linearity	0.05 dB/dB
Loss Threshold	0.001 dB
Loss Resolution	0.001 dB
Reflectance Accuracy	± 3 dB
Refresh Rate	10 traces/sec

Category	Spec
Measurement Time	5 sec – 5 min (Real-time supported)
Data Storage	16 GB (up to 160,000 traces)
Optical Power Meter	1310 / 1550 nm (calibrated), supports 850–1650 nm
Power Range	-70 ~ +10 dBm / -50 ~ +26 dBm
Power Accuracy	±0.23 dB
VFL Wavelength	650 ±10 nm
VFL Output Power	1 mW
Laser Safety	Class II
Optical Interface	PC (default), APC optional
Connector Type	FC (default), SC / ST / LC optional
Interface	USB 2.0, RJ45 LAN (optional)
Power Supply	AC 100–240V, DC 12V
Power Consumption	< 3 W
Battery	7.4V / 2500 mAh Li-ion

Category	Spec
Battery Backup	~6 hours (4 hours continuous testing)
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +70°C
Humidity	0 – 95% (non-condensing)
Dimensions	180 x 145 x 55 mm
Weight	< 1 kg