DEVISER OTDR AE1001

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Variants

UPC APC

Details

The **DEVISER AE1001** is a compact and professional OTDR designed for FTTH, FTTx, ISP, telecom, and fiber maintenance applications. Combining **OTDR, Optical Power Meter (OPM), and Visual Fault Locator (VFL)** into one lightweight device, it delivers fast and accurate fiber testing in the field.

Featuring a **4.3-inch touchscreen display**, **26dB dynamic range**, and **dual wavelength testing**, the AE1001 provides reliable fiber analysis with fast test results and large internal storage.

Dynamic Range **26dB**
Test Distance **80KM**
Display

4.3"

Storage

16GB

Key Features

? OTDR + OPM + VFL All-in-One Solution

? Dual Wavelength Testing (1310 / 1550nm)

? High-Speed Testing Within 5 Seconds

? Ultra Portable Design Under 1kg

? 4.3" TFT LCD Touchscreen Display

? Up To 160,000 Trace Storage Capacity

? Real-Time Fiber Measurement Support

? USB & Optional RJ45 LAN Interface

General Specifications

Category	Specification
Model	DEVISER AE1001

Category	Specification
Product Type	Mini OTDR with OPM & VFL
Application	FTTH / FTTx Installation, Testing & Maintenance
Display	4.3" TFT LCD Touchscreen
Design	Ultra-Portable, Lightweight (1kg)
Test Speed	Dual Wavelength Test ? 5 Seconds

OTDR Performance

Parameter	Specification
Wavelength	1310 / 1550 nm
Dynamic Range	26 dB / 24 dB
Event Dead Zone	? 3 m
Attenuation Dead Zone	? 10 m
Measurement Range	150 m – 80 km
Pulse Width	3 ns – 20 ?s
Sampling Points	Up to 12,800
Sampling Resolution	Auto / High Resolution
Linearity	0.05 dB/dB

Parameter	Specification
Loss Resolution	0.001 dB
Reflectance Accuracy	±3 dB
Refresh Rate	10 Traces / Second
Measurement Time	5 Seconds – 5 Minutes

Integrated OPM & VFL

Function	Specification
Optical Power Meter	1310 / 1550nm Calibrated, Supports 850–1650nm
Power Meter Range	-70 ~ +10 dBm / -50 ~ +26 dBm
Power Accuracy	±0.23 dB
VFL Wavelength	650 ±10 nm
VFL Output Power	1mW
Laser Safety	Class II

System & Physical Specifications

Parameter	Specification
Data Storage	16GB (Up to 160,000 Traces)

Parameter	Specification
Connector Type	FC (Default), SC / ST / LC Optional
Optical Interface	UPC Standard, APC Optional
Interface	USB 2.0, Optional RJ45 LAN
Power Supply	AC 100–240V / DC 12V
Power Consumption	3W
Battery	7.4V / 2500mAh Li-ion
Battery Backup	Approx. 6 Hours
Operating Temperature	-10°C to +50°C
Storage Temperature	-40°C to +70°C
Humidity	0% – 95% (Non-condensing)
Dimensions	180 × 145 × 55 mm
Weight	1 kg

Ideal For:

FTTH Installation • ISP Maintenance • Telecom Networks • Fiber Acceptance Testing • ODN Verification • Data Centers • Fiber Troubleshooting • Optical Network Maintenance

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