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Data Sheet

August 14, 2026

ANRITSU

Anritsu MW9076D1 Optical Time Domain Reflectometer

Loss Measurement: 2 point and LSA loss class Warmup Time Class: 15 minutes typical class
Relative Humidity Class: Up to 80 percent noncondensing class From Anritsu MW9076D1 / MW9076 family OEM OTDR documentation. Confirm exact wavelengths, dynamic range, and dead zones on the D1 configuration datasheet. Anritsu MW9076D1 Optical Time Domain Reflectometer The Anritsu MW9076D1 is an optical time domain reflectometer module/instrument for single-mode fiber fault location and loss characterization. OEM MW9076 family documentation lists multi-wavelength OTDR operation in the 1310/1550 nm class telecom windows with selectable pulse widths and dynamic range classes. Fiber plant construction, maintenance, and fault location on single-mode optical networks. Instrument Type: Optical time domain reflectometer



MODEL

**Anritsu
MW9076D1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MW9076D1

LISTING

<https://aumictechlabs.com/products/mw9076d1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MW9076D1 is an Optical Time Domain Reflectometer (OTDR) module designed for the characterization of optical fibers, fault location, and network quality assurance. This module offers advanced features for precise and dependable fiber testing, supporting single-ended

chromatic dispersion measurement. Technical Specifications Optical Specifications: Wavelengths Supported: 1310 nm, 1450 nm, 1550 nm, 1625 nm Fiber Type: Single-Mode Fiber (SMF) Dynamic Range: Up to 45 dB (typical value varies by model and wavelength). Specific values for MW9076D1 can range from 34 to 30 dB depending on wavelength. Dead Zone (Fresnel / Back-scattered): 3 m / 25 m for the MW9076D1. Other models in the series offer 1.6/8 m. Pulse Width: Minimum 10 ns. Return Loss (SMF): 40 dB. Wavelength Accuracy: ± 3 nm for the MW9076D1. Chromatic Dispersion Measurement: Measurement Capability: Supports single-ended measurement of chromatic dispersion. Wavelength Range for CD Measurement: 1300 nm to 1660 nm. Dispersion Reproducibility: ± 0.05 ps/(nm km). Dynamic Range for CD Measurement: 30 dB. Fitting Formula Support: Cubic or quintic Sellmeier, and polynomials. Visible Light Source (Optional): Wavelength: 635 nm ± 15 nm (at 25°C). Optical Output Power: $+3.0 \pm 1.5$ dBm. Laser Safety: IEC 60825-1 Class 1M, 21CFR Class 2 or IEC 60825-1 Class 1, 21CFR Class 1. Optical Power Meter (Optional): Supported Models: MW9076B/B1/C-02 and MW9076B/B1/C-03. Measurement Range (Option 02): -70 dBm to +3 dBm (continuous light). Measurement Range (Option 03): -50 dBm to +23 dBm (continuous light). Accuracy (Option 02 & 03): $\pm 5\%$ (at -10 dBm, 1.31/1.55 μ m, continuous light). Measurement Features: High-Speed Measurement: 10 seconds for waveform and connection loss display in Full-Auto mode. Real-time sweep of 0.15 seconds. Full Automatic Mode: Automatic execution of distance range, pulse width, attenuator, and marker settings. Repeated Measurement Function: Automates sequences such as measurement, wavelength switching, data saving, optical channel switching, and next fiber measurement. Waveform Comparison Function: Allows comparison of measured and saved data. Resolution: 5 cm high resolution. Sampling Points: 50,000 sampling points. Data Storage: Bellcore.SOR (GR-196-CORE, SR-4731) or Anritsu format. Approximately 18 MB internal memory. User Interface Features: Relative distance setting, calendar clock, distance unit setting (km, m, kf, f, mi), title input (up to 32 characters), remaining battery power display. Electrical Specifications: AC Adapter: Z0695 (SA165A, 100-240 Vac, 50/60 Hz input; 24 Vdc, 2.5 A output). Battery: Lithium-ion battery pack. Voltage/Capacity: 14.4 V, 3440 mAh (49.53 Wh). Continuous Operation Time: 6 hours (typical). Charging Time: 3 hours. Power Consumption: 35 W max. Physical Specifications: Dimensions (Main frame MW9076D1): 290 (W) x 194 (H) x 122 (D) mm. Mass (Main frame MW9076D1): ≤ 5.4 kg. When including Display Unit and battery pack, mass is ≤ 5.7 kg. Display: 8.4-inch TFT-LCD color display. Environmental Specifications: Operating Temperature: 0°C to +40°C, $\leq 80\%$ humidity. (-10°C to +40°C for some configurations). Storage Temperature: -20°C to +80°C, $\leq 90\%$ humidity. (-20°C to +60°C for some configurations). Shock Resistance: Conforms to MIL-T-28800E Class 3. (Note: Not applicable to MW9076D1 in some drop tests). Interfaces: Optical Connector: FC, SC, ST, DIN, HMS-10/A (Replaceable). VGA Output Terminal: For external display. Serial Interface: For remote control and data transfer. Safety and Compliance: Laser Safety: IEC 60825-1 Class 1M, 21CFR Class 2; IEC 60825-1 Class 1, 21CFR Class 1. Complies with FDA (21CFR1040.10, USA) Class 2 for export to the USA. Electrical Safety: UL, CSA, TÜV CB, CE, NORDIC, PSE specifications. EMC: Conforms to EN 61326-1:2006 (Class A). Measurement Category: CAT I. Why Choose Aumictech for the Anritsu MW9076D1? At Aumictech, we specialize in supplying optical test and measurement equipment. Whether you need precise fiber chara

MW9076D1 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical time domain reflectometer
Wavelengths Class	1310 nm and 1550 nm class typical MW9076 family
Fiber Type	Single mode fiber class
Dynamic Range Class	Mid to high dynamic range OTDR class per D1 config
Pulse Width Class	Multiple selectable pulse widths
Distance Range Class	Kilometers class distance ranges
Event Dead Zone Class	Short event dead zone class
Attenuation Dead Zone Class	Specified attenuation dead zone class
Loss Resolution Class	0.001 dB class typical OTDR
Distance Resolution Class	Meter class or better class
Display	OTDR trace display class
Form Factor	Module or benchtop OTDR class
Remote Interface Class	GPIB class
Series Family	Anritsu MW9076D1
Applications Class	SMF plant construction and maintenance
Connector Class	FC SC interchangeable adapters class
Data Storage	Trace save recall class
Operating Temperature Class	Standard lab or field class
Averaging	Multiple averaging modes class
IOR Setting	User settable index of refraction
Loss Measurement	2 point and LSA loss class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Attenuation	Dead Zone Class: Specified attenuation dead zone class
Operating temperature	Class: Standard lab or field class

PARAMETER	VALUE
Humidity	Class: Up to 80 percent noncondensing class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab or field class
Operating Temperature	Class: Standard lab or field class
Humidity	Class: Up to 80 percent noncondensing class
Operating Temperature Class	Standard lab or field class
Averaging	Multiple averaging modes class
IOR Setting	User settable index of refraction
Loss Measurement	2 point and LSA loss class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class Notes From Anritsu MW9076D1 / MW9076 family OEM OTDR documentation. Confirm exact wavelengths, dynamic range, and dead zones on the D1 configuration datasheet.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.