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Data Sheet

August 1, 2026

ANRITSU

Anritsu MW9076 Mini OTDR

The Anritsu MW9076 is a family of mini optical time-domain reflectometers for construction and maintenance of optical fiber cables. Measurement is three to five times faster than the earlier MW9070B. Optical units cover single-mode wavelengths from 1.31 to 1.625 μm (and four-wavelength chromatic-dispersion models) plus graded-index multimode units at 0.85/1.3 μm . A shared MU250000A 8.4-inch TFT-LCD display unit provides up to 50,000 sampling points and 5 cm resolution, with full-auto measurement in about 10 seconds and real-time sweep about 0.15 s. Anritsu lists the MT9085 series ACCESS Master as the replacement platform. SM and MM fiber installation and maintenance; long-haul and mid-distance OTDR; chromatic dispersion measurement from one end (MW9076D1); multimode LAN/premise testing (MW9076J/K); field work with lithium-ion battery and color display. SM and MM fiber installation and maintenance; long-haul and mid-distance OTDR; chromatic dispersion measurement from one end (MW9076D1); multimode LAN/premise testing (MW9076J/K); field work with lithium-ion battery and color display.



MODEL

Anritsu MW9076

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MW9076

LISTING

<https://aumictechlabs.com/products/mw9076-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MW9076 Mini OTDR is a compact, ruggedized optical time domain reflectometer engineered for field service and FTTx deployment. Measurement speed defines its operational

advantage: Full-Auto mode completes traces in 10 seconds, while real-time sweep operates at 0.15 seconds - 3 to 5 times faster than the MW9070B predecessor. The 5 cm resolution and up to 50,000 sampling points enable precise fault localization and event analysis.

Technical Specifications

Optical Performance Dynamic range: up to 45 dB (typical), supporting fiber measurements to 190 km at 1550 nm Dead zone: 1.6 m (Fresnel) or 8 m (back-scattered) Resolution: 5 cm with 50,000 sampling points maximum Wavelength Configurations MW9076B/B1: 1310/1550 nm MW9076C: 1310/1550/1625 nm MW9076D/D1: 1310/1410/1550/1625 nm (chromatic dispersion measurement capable) MW9076J: 850 nm MW9076K: 850/1300 nm (multimode)

Chromatic Dispersion Measurement Four-wavelength models measure group delay, total dispersion, zero dispersion wavelength, and dispersion slope from a single fiber end.

Display Options 8.4-inch TFT-LCD color display (standard) Optional 7.2-inch color STN-LCD for outdoor viewing Optional MU250000A4 7.8-inch color STN-LCD (640 × 480 resolution, reflection type with front light)

Data Management Internal memory: approximately 18 MB File formats: Bellcore GR-196, SOR (GR-196-CORE, SR-4731), Anritsu waveform formats Data transfer: RS-232C port to PC Optional 4 or 8 optical channel selector for automated multi-fiber measurement

Power Lithium-ion battery with remaining power display Battery life: 6 hours typical Quick charging capability

Key Features Visible Light Source (VLS) option at 635 nm for break and loss point detection Optional Optical Power Meter with ranges -70 to +3 dBm or -50 to +23 dBm Optional Light Source function VGA output terminal for external CRT monitor connection Automatic repeat measurement mode with wavelength/channel switching, file saving, and printing Communication light check prior to OTDR measurement Configurable event warning values and detection thresholds for pass/rejection automation

Typical Applications Field service diagnostics, FTTx installation verification, fiber event analysis, long-haul cable characterization, and chromatic dispersion assessment on single-mode networks.

Compatibility & Integration RS-232C connectivity enables data transfer and remote control. Multi-wavelength configurations support single-mode and multimode fiber testing across C-band, L-band, and extended wavelength ranges.

Features & description

From manufacturer datasheet

Features

- Modular mini-OTDR: optical unit + MU250000A display
- High dynamic range up to 45 dB (MW9076B at 1.31 μm)
- Short dead zone: 1.6/8 m Fresnel/backscatter on SM units
- Full-auto in about 10 s; real-time sweep about 0.15 s
- 50,000 sampling points; 5 cm resolution class
- Optional light source, optical power meter, visible LD, channel selector (model dependent)
- Waveform storage: Bellcore SOR or Anritsu format
- Lithium-ion battery with remaining-charge indication

MW9076 Characteristics / Specifications

PARAMETER	VALUE
Technical Specifications	Series Platform
Series	MW9076 Mini OTDR
Manufacturer	Anritsu
Display Unit	MU250000A, 8.4 in TFT-LCD
Sampling Points	up to 50,000
Distance Resolution	5 cm class
Battery Continuous Operation	about 6 hours typical
Power	less than or equal to 35 W max charging; about 4 W standard with display
Laser Safety	21CFR Class 1, IEC 60825-1 Class 1
Replacement Platform	MT9085 series Optical Unit Summary
MW9076B	SM 1.31/1.55 um; DR 45/43 dB typical; DZ 1.6/8 m; LS + OPM
MW9076C	SM 1.31/1.55/1.625 um; DR 41.5/39.5/37 dB; DZ 1.6/8 m; LS + OPM
MW9076D	SM 1.31/1.45/1.55/1.625 um; DR 34/33/32/29.5 dB class; chromatic dispersion; DZ 3/25 m
MW9076J	GI 0.85 um; DR 21 dB; DZ 2/7 m
MW9076K	GI 0.85/1.3 um; DR 21/25 dB; DZ 2/7 m Standard Operating Conditions Confirm which optical unit and display are present. Clean connectors. Select correct fiber type and IOR. Dynamic-range figures are SNR=1 under published pulse/average conditions at 25 C.
Modular mini-OTDR	optical unit + MU250000A display
Short dead zone	1.6/8 m Fresnel/backscatter on SM units
Waveform storage	Bellcore SOR or Anritsu format
Fiber type	and IOR. Dynamic-range figures are SNR=1 under published pulse/average conditions at 25 C.

MW9076 Specifications

PARAMETER	VALUE
Anritsu MW9076 Mini OTDR Series	Overview
Key Features	- Modular mini-OTDR: optical unit + MU250000A display
Optical Unit Summary	MW9076B: SM 1.31/1.55 um; DR 45/43 dB typical; DZ 1.6/8 m; LS + OPM

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

PARAMETER	VALUE
Specifications	Series Platform
Series	MW9076 Mini OTDR
Manufacturer	Anritsu
Display Unit	MU250000A, 8.4 in TFT-LCD
Sampling Points	up to 50,000
Distance Resolution	5 cm class

Full-Auto Measurement: about 10 s
Real-Time Sweep: about 0.15 s

Specifications

PARAMETER	VALUE
Battery Continuous Operation	about 6 hours typical
Power	less than or equal to 35 W max charging; about 4 W standard with display
Laser Safety	21CFR Class 1, IEC 60825-1 Class 1
Replacement Platform	MT9085 series

Optical Unit Summary

Specifications

PARAMETER	VALUE
MW9076B	SM 1.31/1.55 um; DR 45/43 dB typical; DZ 1.6/8 m; LS + OPM
MW9076B1	SM 1.31/1.55 um; DR 40.5/38.5 dB typical; DZ 1.6/8 m
MW9076C	SM 1.31/1.55/1.625 um; DR 41.5/39.5/37 dB; DZ 1.6/8 m; LS + OPM
MW9076D1	SM 1.31/1.45/1.55/1.625 um; DR 34/33/32/29.5 dB class; chromatic dispersion; DZ 3/25 m
MW9076J	GI 0.85 um; DR 21 dB; DZ 2/7 m
MW9076K	GI 0.85/1.3 um; DR 21/25 dB; DZ 2/7 m

Standard Operating Conditions
Confirm which optical unit and display are present. Clean connectors. Select correct fiber type and IOR.
Dynamic-range figures are SNR=1 under published pulse/average conditions at 25 C.

Operational Notes

Catalog titles "MW9076 Mini OTDR" refer to the series platform rather than a single SKU. Inventory the installed optical unit (B/B1/C/D1/J/K) and MU250000A display before quoting wavelengths and dynamic range.

Laser Safety

Laser Safety: 21CFR Class 1, IEC 60825-1 Class 1 Replacement Platform: MT9085 series Optical Unit
Summary MW9076B: SM 1.31/1.55 um; DR 45/43 dB typical; DZ 1.6/8 m; LS + OPM MW9076B1: SM 1.31/1.55 um; DR 40.5/38.5 dB typical; DZ 1.6/8 m MW9076C: SM 1.31/1.55/1.625 um; DR 41.5/39.5/37 dB; DZ 1.6/8 m; LS + OPM MW9076D1: SM 1.31/1.45/1.55/1.625 um; DR 34/33/32/29.5 dB class; chromatic dispersion; DZ 3/25 m MW90

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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Generated August 1, 2026

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