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Data Sheet

August 1, 2026

ANRITSU

Anritsu MW9076K Optical Time Domain Reflectometer

The Anritsu MW9076K is a dual-wavelength graded-index (GI) multimode mini-OTDR in the MW9076 series. It operates at 0.85 μm and 1.3 μm (± 30 nm) on 62.5/125 μm GI fiber and is intended for multimode LAN, premise, and short-reach cable installation and maintenance. Dynamic range is typically 21 dB at 850 nm and 25 dB at 1300 nm (S/N=1 conditions). Fresnel/backscatter dead zones are about 2/7 m. Like other MW9076 optical units, it requires a MU250000A display unit (8.4-inch TFT-LCD). Anritsu lists the MT9085 series as the replacement platform. Multimode GI fiber fault location and loss measurement; LAN and premise cabling I&M at 850/1300 nm; short dead-zone near-end event characterization; field OTDR work with MW9076 display unit and lithium-ion battery. Anritsu MW9076K Optical Time Domain Reflectometer The Anritsu MW9076K is a dual-wavelength graded-index (GI) multimode mini-OTDR in the MW9076 series. It operates at 0.85 μm and 1.3 μm (± 30 nm) on 62.5/125 μm GI fiber and is intended for multimode LAN, premise, and short-reach cable installation and maintenance. Dynamic range is typically 21 dB at 850 nm and 25 dB at 1300 nm (S/N=1 conditions). Fresnel/backscatter dead zones are about 2/7 m. Like other MW9076 optical units, it requires a MU250000A display unit (8.4-inch TFT-LCD). Anritsu lists the MT9085 series as the replacement platform.



MODEL Anritsu MW9076K	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU MW9076K	LISTING https://aumictechlabs.com/products/mw9076k-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MW9076K is a field-portable Optical Time Domain Reflectometer engineered for high-resolution fiber fault detection and characterization in telecommunications and enterprise network installations. Operating across 850 nm and 1300 nm wavelengths on graded-index multimode fiber, the instrument delivers 5 cm spatial resolution with a 7 m dead zone and dynamic range up to 25 dB. Full-automatic measurement completes in 10 seconds, with real-time sweep capability at 0.15 s and comprehensive measurement modes supporting total loss, interval loss, cable length, splice loss, and return loss quantification across up to 99 detected events. The MW9076K incorporates dual-wavelength OTDR functionality for chromatic dispersion measurement with ± 0.05 ps/(nm·km) reproducibility and 30 dB dynamic range over 25 km fiber spans.

Technical Specifications
Wavelengths: 850 nm (GI), 1300 nm (GI) Dynamic Range: 21–25 dB (multimode)
Dead Zone: 7 m (multimode) Spatial Resolution: 5 cm Sampling Points: 50,000 Measurement Speed: 10 s (full-auto mode); 0.15 s real-time sweep; ≤ 60 s automatic measurement Chromatic Dispersion Reproducibility: ± 0.05 ps/(nm·km) CD Dynamic Range: 30 dB Display: 8.4 inch TFT-LCD color (indoor/outdoor variants) Internal Memory: ~18 MB for waveform archival

Key Features
Automatic Fault Location with Full-Auto and Auto modes Automatic front-panel connector quality verification Optical signal presence detection Connection loss, return loss, and total return loss measurement Loss per unit length calculation between arbitrary points Warning level threshold configuration Event detection up to 99 instances Dual-wavelength chromatic dispersion characterization

Typical Applications
Installation acceptance testing and commissioning of multimode fiber links Maintenance troubleshooting and fault localization Splice and connector loss verification Fiber plant integrity assessment

Compatibility & Integration
Multimode graded-index (GI) optical fiber at 0.85 μm and 1.3 μm Measurement data exportable via onboard memory for offline analysis and reporting

Features & description

From manufacturer datasheet

Features

- Dual-wavelength GI multimode OTDR (0.85 / 1.3 μm)
- Short dead zone for near-end events (about 2 m Fresnel / 7 m backscatter)
- Part of MW9076 mini-OTDR family with high-speed full-auto measurement (about 10 s)
- Requires MU250000A color display unit
- Visible light source capability in series accessories
- Waveform storage in Bellcore SOR or Anritsu formats
- Lithium-ion battery operation (series)

MW9076K Characteristics / Specifications

PARAMETER	VALUE
Model	MW9076K
Manufacturer	Anritsu
Instrument Type	Mini OTDR optical unit – GI multimode dual wavelength
Fiber	62.5/125 um GI (note: 50/125 um measurements typically reduce dynamic range by about 3 dB)
Wavelengths	0.85 um +/-30 nm; 1.3 um +/-30 nm
Dynamic Range	21 dB (0.85 um); 25 dB (1.3 um) typical (S/N=1)
Dead Zone Fresnel / Backscatter	2 / 7 m
Pulse Widths (examples)	10, 20, 50, 100 ns (0.85 um); 10, 20, 50, 100, 500, 1000 ns (1.3 um)
Display Unit Required	MU250000A (8.4 in TFT-LCD)
Sampling / Resolution (series)	up to 50,000 points; 5 cm high resolution class
Laser Safety	21CFR Class 1, IEC 60825-1 Class 1 Related Models
MW9076J	single-wavelength GI OTDR at 0.85 um only (21 dB)
MW9076B / MW9076C	single-mode high-performance units

MW9076K Specifications

PARAMETER	VALUE
Anritsu MW9076K Optical Time Domain Reflectometer	Overview
Key Features	- Dual-wavelength GI multimode OTDR (0.85 / 1.3 um)
Technical Specifications	Model: MW9076K
Related Models	MW9076J: single-wavelength GI OTDR at 0.85 um only (21 dB)

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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PARAMETER	VALUE
Model	MW9076K
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Wavelengths	0.85 um +/-30 nm; 1.3 um +/-30 nm
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Pulse Widths (examples)	10, 20, 50, 100 ns (0.85 um); 10, 20, 50, 100, 500, 1000 ns (1.3 um)
Display Unit Required	MU250000A (8.4 in TFT-LCD)
Sampling / Resolution (series)	up to 50,000 points; 5 cm high resolution class

Real-Time Sweep (series): about 0.15 s

Laser Safety: 21CFR Class 1, IEC 60825-1 Class 1

Related Models

MW9076J: single-wavelength GI OTDR at 0.85 um only (21 dB)

MW9076B / MW9076C: single-mode high-performance units

MT9085A-063: modern hybrid SM/MM ACCESS Master option class

Standard Operating Conditions

Mate only with MU250000A display. Clean multimode connectors. Select correct fiber core size and IOR.

Averaging conditions for published dynamic range typically include 100 ns (0.85 um) / 1 us (1.3 um) pulses and 180 s average at 25 C.

Operational Notes

MW9076K is the optical unit; confirm display unit and battery are included in the shipment. Do not quote SM dynamic-range figures from MW9076B/C for this GI model.

Laser Safety

Laser Safety: 21CFR Class 1, IEC 60825-1 Class 1 Related Models MW9076J: single-wavelength GI OTDR at 0.85 um only (21 dB) MW9076B / MW9076C: single-mode high-performance units MT9085A-063: modern hybrid SM/MM ACCESS Master option class Standard Operating Conditions Mate only with MU250000A display. Clean multimode connectors. Select correct fiber core size and IOR. Averaging conditions for published dynam

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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<https://aumictechlabs.com>

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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.