

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 2, 2026

ANRITSU

Anritsu MW9060A Optical Time Domain Reflectometer

Anritsu MW9060A Optical Time Domain Reflectometer The Anritsu MW9060A is a universal OTDR mainframe designed for single-mode or multimode fiber testing with interchangeable optical plug-in units, integrated floppy disk storage, and built-in printing for field documentation. Fiber span characterization and fault location in telecom and datacom networks; acceptance testing of SM and MM links with plug-in-matched dynamic range; high-resolution near-end event resolution on short links; long-haul distance measurements to approximately 250 km class with appropriate SM plug-ins. The Anritsu MW9060A is a universal OTDR mainframe designed for single-mode or multimode fiber testing with interchangeable optical plug-in units, integrated floppy disk storage, and built-in printing for field documentation. Fiber span characterization and fault location in telecom and datacom networks; acceptance testing of SM and MM links with plug-in-matched dynamic range; high-resolution near-end event resolution on short links; long-haul distance measurements to approximately 250 km class with appropriate SM plug-ins.



MODEL Anritsu MW9060A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU MW9060A	LISTING https://aumictechlabs.com/products/mw9060a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MW9060A is a portable Optical Time Domain Reflectometer (OTDR) engineered for rapid event profiling and fault location in fiber-optic installations. It enables fast, accurate network commissioning and troubleshooting across single-mode and multimode fibers at distances up to 250 km. The instrument combines high-speed measurement with operational efficiency through procedure and event registration functions that minimize setup time. Built-in data storage via 3.5-inch floppy disk drive and high-speed printer support on-site documentation and reporting, while optional GPIB connectivity enables remote control and automated data transfer.

Technical Specifications

Measurement Range: Up to 250 km maximum distance with 10 cm read-out resolution

Dynamic Range: Up to 34 dB (1310 nm band); up to 32 dB (1550 nm band); 34/32 dB for long-haul measurements

Wavelengths: 1310 nm, 1550 nm, plus 0.85 μm and 1.30 μm for multimode applications

Spatial Resolution: Less than 2 m for high-resolution single-mode units; multimode units achieve 3 m near-end dead zone

Single-Mode Dead Zone: Less than 8 m (e.g., MW0944B)

Pulse Width: Maximum 2 μsec

Sweep Speed: 0.3 seconds (FAST/2PA mode)

Fiber Compatibility: Single-mode and multimode

Key Features

Measurement Functions: Fault location detection, splice loss measurement, connector loss measurement, return loss capability

Waveform Processing: Simultaneous two-waveform display, six-level smoothing for S/N optimization, full-trace display via attenuator switching, relative distance measurement from cursor position

Efficiency Automation: Procedure function records and executes multi-step measurement sequences with single key activation; event registration function measures pre-registered points and tabulates results

On-Site Reporting: High-speed built-in printer outputs CRT displays (73.1 $\times$ 57.1 mm) in approximately 7 seconds; measurement operations continue during printout

Data Storage: 3.5-inch FDD (1.44 MB IBM-PC or 720 KB NEC PC-9800 format) stores approximately 700 measurement waveform screens per 2HD diskette in MS-DOS format

Typical Applications

Long-haul terrestrial fiber network commissioning and maintenance

Short-haul metropolitan area network troubleshooting

High-resolution event analysis in critical installations

Compatibility & Integration

Plug-in wavelength units (MW0947B, MW0944B) configure the instrument for specific fiber types and measurement requirements. Optional GPIB interface enables external system control and data archival to host computers.

Features & description

From manufacturer datasheet

Features

- Universal OTDR mainframe for SM or MM fiber with plug-in optical units
- Built-in 3.5-inch floppy disk drive for trace storage
- Built-in printer for hard-copy reports
- Wide-dynamic-range SM plug-ins at 1.31 μm , 1.55 μm , and dual-wavelength combinations
- Dynamic range class approximately 34 dB (1.31 μm), 32 dB (1.55 μm), 34-32 dB (dual) – plug-in dependent
- High-resolution SM and MM plug-in options
- Near-end dead zone approximately 8 m (MW0944B HR SM class) / approximately 3 m (MM class)
- Distance range to approximately 250 km class (plug-in and pulse-width dependent)
- Maximum pulse width approximately 2 μs class
- Performance determined by installed optical plug-in module

MW9060A Characteristics / Specifications

PARAMETER	VALUE
Model	MW9060A
Manufacturer	Anritsu
Instrument Type	Optical Time Domain Reflectometer Mainframe
Alias	MW9060A
Fiber Types	Single-mode (SM) and multimode (MM) via plug-in units
Storage	Built-in 3.5-inch FDD
Reporting	Built-in printer
SM Dynamic Range (class)	approximately 34 dB @ 1.31 μm; 32 dB @ 1.55 μm; 34-32 dB dual-wavelength plug-ins
Distance Range	to approximately 250 km class
Maximum Pulse Width	approximately 2 μs class
Fiber type	(SM/MM) and operating wavelength before measurement. Set pulse width, averaging, and range for the span under test; wider pulses improve dynamic range at the expense of resolution. Allow mainframe and plug-in warm-up per Anritsu procedure.

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.

Performance determined by installed optical plug-in module

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	MW9060A
Manufacturer	Anritsu
Instrument Type	Optical Time Domain Reflectometer Mainframe
Alias	MW9060A
Fiber Types	Single-mode (SM) and multimode (MM) via plug-in units
Storage	Built-in 3.5-inch FDD
Reporting	Built-in printer

Plug-In Architecture: Interchangeable optical measurement units (performance plug-in dependent)
SM Dynamic Range (class): approximately 34 dB @ 1.31 μm; 32 dB @ 1.55 μm; 34-32 dB dual-wavelength plug-ins
Near-End Dead Zone: approximately 8 m (MW0944B HR SM); approximately 3 m (MM plug-ins)
Distance Range: to approximately 250 km class
Maximum Pulse Width: approximately 2 μs class
HR Plug-Ins: High-resolution SM and MM optical units available

Standard Operating Conditions
Install the optical plug-in matched to fiber type (SM/MM) and operating wavelength before measurement. Set pulse width, averaging, and range for the span under test; wider pulses improve dynamic range at the expense of resolution. Allow mainframe and plug-in warm-up per Anritsu procedure.

Operational Notes
All dynamic range, dead zone, and distance specifications are plug-in dependent-verify the installed module model (e.g., MW0944B HR SM) on the calibration label. Mainframe alone does not define OTDR performance; order and maintain plug-ins separately. Alias MW9060A (hyphenless) appears in inventory systems.

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 ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 2, 2026

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