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Data Sheet

August 14, 2026

ANRITSU

Anritsu MW9001B Optical Time Domain Reflectometer

Anritsu MW9001B OTDR Mainframe Family Instrument The Anritsu MW9001B is an OTDR-family optical time-domain reflectometer instrument used for fiber installation and maintenance. OEM Anritsu OTDR documentation for the MW900x series describes multi-wavelength OTDR measurements, distance and loss analysis, and field-portable or benchtop optical fault location. Fiber construction OTDR testing, splice and connector loss location, and optical network maintenance. Instrument Type: Optical time domain reflectometer The Anritsu MW9001B is an OTDR-family optical time-domain reflectometer instrument used for fiber installation and maintenance. OEM Anritsu OTDR documentation for the MW900x series describes multi-wavelength OTDR measurements, distance and loss analysis, and field-portable or benchtop optical fault location. Fiber construction OTDR testing, splice and connector loss location, and optical network maintenance. Instrument Type: Optical time domain reflectometer Primary Measurements: Distance loss reflectance events



MODEL

Anritsu MW9001B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MW9001B

LISTING

<https://aumictechlabs.com/products/mw9001b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MW9001B is a portable Optical Time Domain Reflectometer (OTDR) designed for the testing and analysis of fiber optic networks. This instrument is engineered for field technicians and network engineers who require precise measurements and reliable performance in diverse operational environments. The MW9001B, often utilized with various plug-in units, facilitates comprehensive fiber optic link assessment, fault location, and performance verification. Its design prioritizes portability and ease of use, crucial for on-site network maintenance and deployment tasks.

Technical Specifications

- * **Product Type:** Portable Optical Time Domain Reflectometer (OTDR)
- * **Model:** MW9001B
- * **Applications:** Fiber optic cable testing, troubleshooting, network performance assessment, fault location.
- * **Modularity:** Designed to work with various plug-in units (e.g., MH938, MH939A, MH955A) to adapt to different measurement needs and fiber types.
- * **Measurement Capabilities:**
 - * Accurate assessment of fiber optic link performance.
 - * Identification and location of faults within fiber optic cables.
 - * Measurement of fiber loss, connection loss, and return loss.
 - * Can support measurements up to 20,000 km in extended configurations (specific to models like MW90010B, which shares a similar product line heritage).
- * **Display:** Features a high-resolution display for clear visualization of measurement data.
- * **Portability:** Designed as a portable unit for field deployment.
- * **Electrical Characteristics**
 - * **Power Source:** Operates on standard power supply, with voltage and current ratings typically indicated on the rear panel.
- * **Internal Components:** Often utilizes advanced processing capabilities, such as 16-bit CPUs for high-speed operations in related models.
- * **Interfaces and Connectivity**
 - * **Modularity:** Supports various plug-in modules, enabling wavelength and fiber type flexibility.
- * **Data Transfer/Control:** Related Anritsu instruments in this series often feature GPIB remote interfaces for integration with automated test systems.
- * **Physical Characteristics**
 - * **Form Factor:** Portable, handheld design suitable for field use.
- * **Weight:** Related models like the MW90010B are noted as being easily portable at a maximum mass of 10 kg. The MS9001B/B1 (Optical Spectrum Analyzer) dimensions are listed as 266H x 426W x 450D mm, with a weight of <30 kg.
- * **Software and Analysis Functions**
 - * **Analysis Functions:** Related optical spectrum analyzers (like MS9001B/B1) offer functions such as LD Spectrum, LED Spectrum, Loss of Fiber, and Transmission of Filter analysis.
- * **Measurement Modes:** Related models can feature fully-automatic modes where optimal distance range, pulse width, and averaging are automatically set for fault detection.
- * **Compatibility and Integration**
 - * **Plug-in Units:** Designed for compatibility with a range of Anritsu plug-in units to customize functionality.
- * **System Integration:** The use of interfaces like GPIB on similar Anritsu devices suggests potential for integration into larger testing frameworks.
- * **Documentation**
 - * **Service Manuals:** Available for the Anritsu MW9001B, often including details for associated plug-in units.

Why Choose Aumictech for the Anritsu MW9001B? At Aumictech, we specialize in supplying high-end fiber optic testing equipment. Whether you need precise fault location, accurate link performance analysis, or reliable network troubleshooting tools, our team ensures the Anritsu MW9001B delivers maximum performance for your application.

MW9001B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical time domain reflectometer
Series Family	MW9001B
Primary Measurements	Distance loss reflectance events
Fiber Type	Single mode class
Wavelength Set Class	Dual or multi wavelength class
Dynamic Range Class	High dynamic range OTDR class
Dead Zone Class	Short event and attenuation dead zones class
Display	OTDR trace display class
Storage	Internal trace memory class
Connector Class	Interchangeable optical adapters class
Operating Temperature Class	Field optical instrument range class
Battery Operation Class	Battery capable field use class
Remote Interface Class	Trace transfer interface class
Form Factor	OTDR mainframe
Calibration	Optical OTDR calibration class
Export Classification Class	Commercial OTDR class
Warmup Class	Per operating manual
Marker Functions	Multi marker with delta class
Averaging Modes	Manual and auto average class
Pulse Widths	Selectable OTDR pulse widths class
Distance Range Class	Selectable distance ranges class
Refractive Index Setting	User settable IOR class
Attenuation	dead zones class
Operating temperature	Class: Field optical instrument range class

MW9001B Specifications

PARAMETER	VALUE
Anritsu MW9001B OTDR Mainframe Family Instrument	Overview
Field portable optical platform class	Anritsu MW900x family member
Technical Specifications	Instrument Type: Optical time domain reflectometer
Notes	From Anritsu MW9001B / MW900x OTDR family documentation. Confirm exact wavelengths and dynamic range on the unit datasheet revision.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Field optical instrument range class
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Operating Temperature Class	Field optical instrument range class
Battery Operation Class	Battery capable field use class
Remote Interface Class	Trace transfer interface class
Form Factor	OTDR mainframe
Calibration	Optical OTDR calibration class
Export Classification Class	Commercial OTDR class
Warmup Class	Per operating manual
Marker Functions	Multi marker with delta class
Averaging Modes	Manual and auto average class
Pulse Widths	Selectable OTDR pulse widths class
Distance Range Class	Selectable distance ranges class
Refractive Index Setting	User settable IOR class Notes From Anritsu MW9001B / MW900x OTDR family documentation. Confirm exact wavelengths and dynamic range on the unit datasheet revision.

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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NIST-traceable calibration · SAM registered ·
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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.