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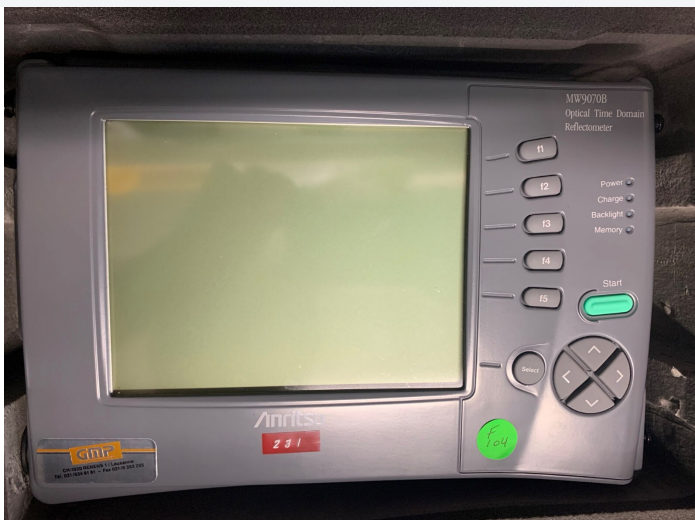
Data Sheet

August 1, 2026

ANRITSU

ANRITSU MW9070B OPTICAL TIME DOMAIN REFLECTOMETER WI FULL SET W CASE

The Anritsu MW9070B is a compact high-performance mini-OTDR for installation and maintenance of subscriber and trunk fiber optic cables. It automatically detects fault positions and displays both a trace waveform and an event table on a large approximately 7-inch LCD while fitting a B5 footprint and weighing about 3.2 kg. Interchangeable optical units cover single-mode and multimode wavelengths; performance depends on the installed unit (for example MW0972C: about 41.5/39.5 dB dynamic range with 3 m Fresnel / 8 m backscatter dead zones; MW0972B: about 36/34 dB at 1310/1550 nm). Anritsu lists the MT9085 series as the replacement platform. Fault location on optical trunk, subscriber, CATV, and LAN cables; measurement of fiber loss, splice/connector loss, and return loss; field installation and maintenance with automated event analysis; real-time sweep for connection checks. Anritsu MW9070B Optical Time Domain Reflectometer The Anritsu MW9070B is a compact high-performance mini-OTDR for installation and maintenance of subscriber and trunk fiber optic cables. It automatically detects fault positions and displays both a trace waveform and an event table on a large approximately 7-inch LCD while fitting a B5 footprint and weighing about 3.2 kg. Interchangeable optical units cover single-mode and multimode wavelengths; performance depends on the installed unit (for example MW0972C: about 41.5/39.5 d



MODEL

Anritsu MW9070B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MW9070B

LISTING

<https://aumictechlabs.com/products/mw9070b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MW9070B is a portable Optical Time Domain Reflectometer (OTDR) engineered for fiber optic installation, commissioning, and maintenance across diverse network architectures. This field-rated instrument delivers automated fault detection with simultaneous waveform trace and event table visualization on a 7-inch semi-transparent LCD display, enabling rapid diagnostics in both indoor and outdoor environments.

Technical Specifications

Physical & Operational

Dimensions: 290 (W) × 120 (H) × 35 (D) mm Weight: 3.2 kg (7.05 lbs) Battery runtime: >5 hours continuous operation Display: 7-inch LCD, semi-transparent for indoor/outdoor visibility Construction: Dustproof, field-rated design Measurement Performance Dynamic range: Up to 41.5/39.5 dB (with MW0972C optical unit); 36/34 dB (with MW0970B/0972B) Dead zone: 3 m Fresnel / 8 m back-scattered (MW0972C); 5 m event / 25 m attenuation (MW0970B/0972B) Distance accuracy: $\pm 2 \text{ m} \pm (10^{-4} \times \text{distance}) \pm \text{marker resolution}$ Loss linearity: $\pm 0.05 \text{ dB/dB}$ or 0.1 dB minimum Return loss accuracy: $\pm 4 \text{ dB}$ Threshold range: 0.01 dB to 9 dB in 0.01 dB increments Typical measurement time: 45 seconds (5 km @ 1.31 μm , 0.35 dB/km loss, auto settings) Maximum auto-measurement time: 180 seconds Safety Classification OTDR Output: 21CFR Class 1, IEC Class 1 Optional Visual LD Light Source: 21CFR Class 2, IEC Class 2

Key Features

Automated fault location and connector status verification High-speed real-time sweep function (0.4 s with MW0970B/0972B) Automatic optimization of distance range, pulse width, and averaging parameters Event editing and waveform comparison for loss change detection Simultaneous display of trace waveform and event table Measures transmission loss, connection loss, and return loss

Typical Applications

Optical trunk line installation and commissioning Subscriber line diagnostics Optical CATV cable verification Optical LAN infrastructure testing and troubleshooting

Compatibility & Integration

Six interchangeable optical units support single-mode and multimode fiber at multiple wavelengths: MW0970B (1.31 μm SMF), MW0972B (1.31/1.55 μm SMF), MW0972C (1.31/1.55 μm SMF enhanced performance), MW0973J (0.85 μm GIF), and MW0975J (0.85/1.3 μm GIF).

Features & description

From manufacturer datasheet

Features

- Compact mini-OTDR mainframe (about 3.2 kg)
- Large LCD with simultaneous waveform and event table
- Automated fault measurement plus manual modes
- High-speed real-time sweep
- Interchangeable SM and MM optical units (six unit types published)
- Optional built-in 3.5-inch floppy disk drive
- Optional visual LD light source on units
- Optional light source and power meter (unit dependent, e.g. MW0972C)
- Windows emulation software available separately

MW9070B Characteristics / Specifications

PARAMETER	VALUE
Technical Specifications	Mainframe
Model	MW9070B
Manufacturer	Anritsu
Instrument Type	Mini optical time domain reflectometer mainframe
Weight	about 3.2 kg
Display	approximately 7-inch LCD
Form Factor	B5-class footprint
Replacement Platform	MT9085 series ACCESS Master
Example Optical Unit	MW0972C (high-performance SM)
Dynamic Range	41.5/39.5 dB
Dead Zone Fresnel	3 m
Dead Zone Backscatter	25 m
Fiber	10/125 um SM (ITU-T G.652)
Wavelength	1310/1550 +/-30 nm
Distance Ranges	5, 10, 25, 50, 100, 200 km
Pulse Widths	20 to 10000 ns class
Distance Accuracy	+/-2 m +/- (1e-4 x distance) +/- marker resolution
Loss Linearity	+/-0.05 dB/dB or 0.1 dB (whichever greater)
Optical Connectors	FC, ST, DIN, SC, Diamond HMS-10/A (adapter dependent)
Laser Safety	21CFR Class 1, IEC Class 1 Standard Operating Conditions Confirm which optical unit is installed before quoting wavelength and dynamic range. Clean connectors. Use correct IOR for distance. Battery/AC operation per unit accessories.

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 mini-OTDR for installation and maintenance of subscriber and trunk fiber optic cables. It automatically detects fault positions and displays both a trace waveform and an event table on a large approximately 7-inch LCD while fitting a B5 footprint and weighing about 3.2 kg. Interchangeable optical units cover single-mode and multimode wavelengths; performance depends on the installed unit (for example MW0972C: about 41.5/39.5 dB dynamic range with 3 m Fresnel / 8 m backscatter dead zones; MW0972B: about 36/34 dB at 1310/1550 nm). Anritsu lists the MT9085 series as the replacement platform.

Applications

Fault location on optical trunk, subscriber, CATV, and LAN cables; measurement of fiber loss, splice/connector loss, and return loss; field installation and maintenance with automated event analysis; real-time sweep for connection checks.

Key Features

- Compact mini-OTDR mainframe (about 3.2 kg)
- Large LCD with simultaneous waveform and event table
- Automated fault measurement plus manual modes
- High-speed real-time sweep
- Interchangeable SM and MM optical units (six unit types published)
- Optional built-in 3.5-inch floppy disk drive
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Specifications

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Display	approximately 7-inch LCD
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Replacement Platform	MT9085 series ACCESS Master

Specifications

PARAMETER	VALUE
Example Optical Unit	MW0972C (high-performance SM)
Dynamic Range	41.5/39.5 dB
Dead Zone Fresnel	3 m
Dead Zone Backscatter	8 m

Specifications

PARAMETER	VALUE
Example Optical Unit	MW0972B (1310/1550 nm SM)
Fiber	10/125 um SM (ITU-T G.652)
Wavelength	1310/1550 +/-30 nm
Distance Ranges	5, 10, 25, 50, 100, 200 km
Pulse Widths	20 to 10000 ns class

Dynamic Range (S/N=1): 36 dB at 1.31 um; 34 dB at 1.55 um

Specifications

PARAMETER	VALUE
Dead Zone Fresnel	5 m
Dead Zone Backscatter	25 m
Distance Accuracy	+/-2 m +/- (1e-4 x distance) +/- marker resolution
Loss Linearity	+/-0.05 dB/dB or 0.1 dB (whichever greater)

Real-Time Sweep: about 0.4 s
Optical Connectors: FC, ST, DIN, SC, Diamond HMS-10/A (adapter dependent)
Laser Safety: 21CFR Class 1, IEC Class 1

Standard Operating Conditions
Confirm which optical unit is installed before quoting wavelength and dynamic range. Clean connectors. Use correct IOR for distance. Battery/AC operation per unit accessories.

Operational Notes
Omit accessory marketing phrases such as "full set with case" from product identity-cases, keyboards, and floppy options vary by shipment. Optical performance is entirely unit-dependent. Do not confuse MW9070B with the later MW9076 series.

Laser Safety

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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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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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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.