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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU909015B – μ OTDR Module, 2-Wavelength, 35 dB Class OTDR For MT9090A Network Master Series Mainframes

Anritsu MU909015B μ OTDR Module 2 Wavelength 35 dB Class for MT9090A The Anritsu MU909015B is a two wavelength 35 dB class μ OTDR module for the MT9090A Network Master handheld mainframe. OEM MU909014x/15x brochure lists 1310/1550 nm plus or minus 20 nm typical with 37 dB/36 dB dynamic range at 20 μ s pulse width on options 056/066, and a dedicated optical power meter on the OTDR port. FTTx PON and access fiber installation and maintenance, short to mid haul SMF troubleshooting, and palm sized OTDR work with the MT9090A mainframe. The Anritsu MU909015B is a two wavelength 35 dB class μ OTDR module for the MT9090A Network Master handheld mainframe. OEM MU909014x/15x brochure lists 1310/1550 nm plus or minus 20 nm typical with 37 dB/36 dB dynamic range at 20 μ s pulse width on options 056/066, and a dedicated optical power meter on the OTDR port. FTTx PON and access fiber installation and maintenance, short to mid haul SMF troubleshooting, and palm sized OTDR work with the MT9090A mainframe. Two wavelength 35 dB class OTDR for MT9090A



MODEL

**Anritsu
MU909015B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU909015B

LISTING

<https://aumictechlabs.com/products/mu909015b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MU909015B μ OTDR Module is a dual-wavelength optical time-domain reflectometer designed for integration into MT9090A Network Master series mainframes. It delivers 35 dB class dynamic range performance for comprehensive fiber characterization across FTTx, metro, and access networks. This modular instrument combines OTDR measurement capability with a compact, field-portable form factor, enabling technicians to perform splice identification, connector analysis, and fault location from a single handheld platform.

Technical Specifications
Wavelengths: 1310 nm, 1550 nm
Dynamic Range: Up to 35 dB (class specification); variants support 37 dB and 38 dB depending on pulse width configuration
Event Dead Zone: As low as 0.8 m (typical)
Attenuation Dead Zone: Approximately 4 m (typical)
Sampling Resolution: As fine as 2 cm (minimum)
Sampling Points: Up to 250,001 pts (fine setting)
Measurement Range: -50 to +26 dBm (CW); -40 to +13 dBm (modulated signals)
Fiber Type: 10 μ m/125 μ m single-mode fiber (ITU-T G.652)

Key Features
Dual-wavelength OTDR testing at 1310 nm and 1550 nm for comprehensive fiber loss characterization
Support for maintenance wavelengths (1625 nm/1650 nm) with integrated filtering for in-service testing
PON testing capability including splits up to 1×64
Fiber Visualizer mode for simplified OTDR operation
Internal data storage with USB external memory support; Telcordia SR-4731 format compatibility
Bluetooth, Wi-Fi, and Ethernet connectivity via USB dongles
Rechargeable Li-ion battery operation

Typical Applications
Fiber installation and maintenance across passive optical networks, metro, and access network deployments; event and attenuation characterization; splice and connector loss quantification; PON power measurement and loss testing.

Compatibility & Integration
MU909015B modules integrate into MT9090A Network Master mainframes, supporting modular configuration for field testing platforms. Optional integrated functions include PON Power Meter, Loss Test Set, and Light Source capabilities.

MU909015B Characteristics / Specifications

PARAMETER	VALUE
Model	MU909015B
OTDR Class	2 wavelength 35 dB class
Order Options	MU909015B 056 and MU909015B 066
Center Wavelength	1310/1550 nm plus or minus 20 nm typical plus or minus 25 nm guaranteed at plus 25 C 1 us
Dynamic Range PW 20 us	37 dB / 36 dB typical SNR equals 1 125 km 180 s average plus 25 C
Dynamic Range PW 500 ns	28 dB / 26 dB typical
Dead Zone Fresnel IOR 1.5000	less than or equal to 1 m
Dead Zone Backscatter IOR 1.5000	less than or equal to 5 m
Sampling Points	less than 125001 pts Course less than 6251 Medium less than 25001 Fine less than 125001
Sampling Resolution Minimum	5 cm
Power Meter Setting Wavelength	1310/1490/1550/1625/1650 nm
Power Meter Measurement Range CW	minus 50 to minus 5 dBm
Power Meter Accuracy	plus or minus 0.5 dB at 1310/1490/1550 nm CW minus 20 dBm plus 25 C after zero offset
Testing Modes	OTDR full automatic manual real time and Power Meter
Operating Temperature	minus 5 C to plus 40 C less than 80 percent RH no condensation
Storage Temperature	minus 20 C to plus 60 C less than 80 percent RH no condensation
Real Time Sweep	less than 1 s typical
Loss Measurement Modes	2 point loss splice loss dB/km LSA ORL event
Host Mainframe	MT9090A Network Master
Fiber Type	10 um/125 um SMF ITUTG.652
Optical Connector	FC and SC adapters changeable
Distance Range IOR 1.5000	0.5 1 2.5 5 10 25 50 75 125 250 km
Pulse Width	5 10 20 50 100 200 500 ns and 1 2 5 10 20 us
Linearity	plus or minus 0.05 dB/dB or plus or minus 0.1 dB whichever is greater

PARAMETER	VALUE
Return Loss Measurement Accuracy	plus or minus 2 dB
Distance Measurement Accuracy	plus or minus 1 m plus or minus 3 times measurement distance times 10 to the minus 5 plus marker resolution excluding IOR uncertainty
IOR Setting	1.3000 to 1.7000 in 0.0001 steps
Distance Units	kmmkft ft mi
Integrated Launch Fiber	10 m (30 ft)
Data Storage Internal	40 MB less than 1000 traces
Data Storage External USB	1 GB less than 30000 traces
Display With Mainframe	4.3 inch TFT color LCD 480 × 272 pixels transmissive
Interface	USB 1.1 TypeAmemory and TypeBUSB mass storage
Dimensions With Mainframe	190 W x 96 H x 48 D mm
Mass With Mainframe And Standard Battery	less than 700 g
Battery Operating Time Standard	8 hours typical Telcordia GR 196 CORE Issue 2
Recharging Time	less than 4 hours typical
Trace Format	Telcordia universal SOR issue 2 SR 4731
Ingress Protection	IEC 60529 IP51
Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1
Return loss	Measurement Accuracy: plus or minus 2 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to plus 60 C less than 80 percent RH no condensation
Operating temperature	minus 5 C to plus 40 C less than 80 percent RH no condensation
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Real Time Sweep	less than 1 s typical
Loss Measurement Modes	2 point loss splice loss dB/km LSA ORL event
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Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1 Notes From Anritsu Network Master Series MT9090A Mainframe uOTDR Module MU909014A1/B/B1/C/C6 / MU909015A6/B/B1/C/C6 brochure specification tables. Dynamic range rows are typical; subtract 1 dB for guarantee per OEM footnote.

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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Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1

Notes

From Anritsu Network Master Series MT9090A Mainframe uOTDR Module MU909014A1/B/B1/C/C6 / MU909015A6/B/B1/C/C6 brochure specification tables. Dynamic range rows are typical; subtract 1 dB for guarantee per OEM footnote.

Laser Safety

Laser Safety OTDR: IEC 60825 1 2014 CLASS 1 Notes From Anritsu Network Master Series MT9090A Mainframe uOTDR Module MU909014A1/B/B1/C/C6 / MU909015A6/B/B1/C/C6 brochure specification tables. Dynamic range rows are typical; subtract 1 dB for guarantee per OEM footnote.

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