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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU909015C – μ OTDR Module, 3-Wavelength, 35 dB class OTDR For MT9090A Network Master Series Mainframes

Anritsu MU909015C μ OTDR Module 3 Wavelength 35 dB Class for MT9090A The Anritsu MU909015C isathree wavelength 35 dB class μ OTDR for MT9090A. OEM options include 1310/1550/1625 nm at 38/37/35 dB, 1310/1550/1650 nm at 38/37/35 dB, and 1310/1490/1550 nm at 36/35/35 dB at 20 us pulse width. Installation plus filtered maintenance OTDR in one module for FTTx PON up to 1 $\times$ 64 class splits and metro access SMF. Option 057/067 Wavelengths: 1310/1550 plus or minus 20 nm and 1625 plus or minus 15 nm The Anritsu MU909015C isathree wavelength 35 dB class μ OTDR for MT9090A. OEM options include 1310/1550/1625 nm at 38/37/35 dB, 1310/1550/1650 nm at 38/37/35 dB, and 1310/1490/1550 nm at 36/35/35 dB at 20 us pulse width. Installation plus filtered maintenance OTDR in one module for FTTx PON up to 1 $\times$ 64 class splits and metro access SMF. Option 057/067 Wavelengths: 1310/1550 plus or minus 20 nm and 1625 plus or minus 15 nm Option 058/068 Wavelengths: 1310/1550 plus or minus 20 nm and 1650 plus or minus 15 nm



MODEL

**Anritsu
MU909015C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU909015C

LISTING

<https://aumictechlabs.com/products/mu909015c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MU909015C is a 3-wavelength μ OTDR module engineered for the MT9090A Network Master series mainframes. This compact handheld instrument delivers up to 38 dB dynamic range and characterizes single-mode optical fiber from 0.5 km to 250 km, supporting installation, maintenance, and troubleshooting across premise, access, metro, core, and PON-based FTTx networks up to 1×64 split ratios. Technical Specifications Optical Wavelengths: 1310 nm, 1490 nm, 1550 nm, 1625 nm, 1650 nm Dynamic Range: Up to 38 dB (20 μ s pulse width); 35 dB class; 25 dB to 38 dB Distance Range: 0.5 km to 250 km Pulse Width Options: 5 ns, 10 ns, 20 ns, 50 ns, 100 ns, 500 ns, 1 μ s, 2 μ s, 5 μ s, 10 μ s, 20 μ s Sampling Resolution: 2 cm Sampling Points: Less than 250,001 points Dead Zone (Fresnel): ≤ 0.8 m typical Dead Zone (Backscatter): ≤ 4.0 m at 1310 nm; ≤ 4.5 m at 1490/1550/1625/1650 nm (typical) Distance Accuracy: ± 1 m $\pm 3 \times$ measurement distance $\times 10^{-5}$ $\pm$ marker resolution Wavelength Accuracy: ± 20 nm & ± 15 nm Linearity: ± 0.05 dB or ± 0.1 dB Return Loss Measurement: 14.8 ± 2 dB IOR Setting Range: 1.3000 to 1.7000 Measurement Update Rate: 0.25 seconds real-time Trace Format: Universal Telcordia SR-4731 (.SOR) issue 2 Key Features Interchangeable FC and SC/UPC connectors Pass/fail analysis with automatic threshold-based results Multiple measurement modes: loss (2-point, splice loss, dB/km), LSA, ORL, event 4.3-inch TFT color LCD display, 480 $\times$ 272 pixels resolution Bluetooth, Wi-Fi, Ethernet, and USB interfaces Web browser remote control via USB-Ethernet converter Fiber Type: Single Mode 10 μ m/125 μ m SMF (ITU-T G.652) Typical Applications Fiber installation and commissioning Network maintenance and fault location PON deployment and split-ratio characterization Metro and core network troubleshooting Compatibility & Integration The MU909015C integrates with MT9090A mainframes and operates on AC 100–240 V (50/60 Hz) or DC 9 V. NiMH battery options enable field deployment. Module weight: approximately 700 g; dimensions: 190 mm $\times$ 96 mm $\times$ 48 mm.

MU909015C Characteristics / Specifications

PARAMETER	VALUE
Model	MU909015C
OTDR Class	3 wavelength 35 dB class
Dynamic Range PW 20 us 057/067 and 058/0	38 dB / 37 dB / 35 dB typical
Dynamic Range PW 20 us 059/0	36 dB / 35 dB / 35 dB typical
Dynamic Range PW 500 ns 057/0	27 dB / 26 dB / 25 dB typical
Dynamic Range PW 500 ns 058/0	27 dB / 26 dB / 24 dB typical
Dynamic Range PW 500 ns 059/0	25 dB / 24 dB / 24 dB typical
Dead Zone Fresnel Typical	less than or equal to 0.8 m
Dead Zone Backscatter Typical 1310 nm	less than or equal to 4.0 m
Dead Zone Backscatter Typical 1490/1550/1625/1650 nm	less than or equal to 4.5 m
Sampling Resolution Minimum	2 cm
Sampling Points	less than 250001 pts
Power Meter Setting Wavelength	1310/1490/1550 nm
Power Meter Range CW	minus 50 to minus 5 dBm
Power Meter Accuracy	plus or minus 0.5 dB
Operating Temperature	minus 10 C to plus 50 C less than 95 percent RH no condensation
Storage Temperature	minus 30 C to plus 70 C less than 95 percent RH no condensation
PON Split Support Class	up to 1 × 64 per product introduction
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 30 C to plus 70 C less than 95 percent RH no condensation
Operating temperature	minus 10 C to plus 50 C less than 95 percent RH no condensation
Operating Temperature	minus 10 C to plus 50 C less than 95 percent RH no condensation
PON Split Support Class	up to 1 × 64 per product introduction
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
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
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Recharging Time	less than 4 hours typical
Trace Format	Telcordia universal SOR issue 2 SR 4731

PARAMETER	VALUE
Ingress Protection	IEC 60529 IP51
Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1 Notes From Anritsu MU909014C/C6 and MU909015C/C6 specification table. Confirm 1625 versus 1650 versus 1490 third wavelength option.

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	
Model: MU909015C	
OTDR Class: 3 wavelength 35 dB class	
Option 057/067 Wavelengths: 1310/1550 plus or minus 20 nm and 1625 plus or minus 15 nm	
Option 058/068 Wavelengths: 1310/1550 plus or minus 20 nm and 1650 plus or minus 15 nm	
Option 059/069 Wavelengths: 1310/1490/1550 plus or minus 20 nm	
Dynamic Range PW 20 us 057/067 and 058/068: 38 dB / 37 dB / 35 dB typical	
Specifications	
PARAMETER	VALUE
Dynamic Range PW 20 us 059/069	36 dB / 35 dB / 35 dB typical
Dynamic Range PW 500 ns 057/067	27 dB / 26 dB / 25 dB typical
Dynamic Range PW 500 ns 058/068	27 dB / 26 dB / 24 dB typical
Dynamic Range PW 500 ns 059/069	25 dB / 24 dB / 24 dB typical
Dead Zone Fresnel Typical	less than or equal to 0.8 m
Dead Zone Backscatter Typical 1310 nm	less than or equal to 4.0 m
Dead Zone Backscatter Typical 1490/1550/1625/1650 nm	less than or equal to 4.5 m
Sampling Resolution Minimum	2 cm
Sampling Points	less than 250001 pts
Power Meter Setting Wavelength	1310/1490/1550 nm
Power Meter Range CW	minus 50 to minus 5 dBm
Power Meter Accuracy	plus or minus 0.5 dB
Operating Temperature	minus 10 C to plus 50 C less than 95 percent RH no condensation
Storage Temperature	minus 30 C to plus 70 C less than 95 percent RH no condensation
PON Split Support Class	up to 1 x 64 per product introduction
Host Mainframe	MT9090A Network Master
Fiber Type	10 um/125 um SMF ITUTG.652
Optical Connector	FC and SC adapters changeable
Distance Range IOR 1.500000	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
Return Loss Measurement Accuracy	plus or minus 2 dB

PARAMETER	VALUE
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
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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

Notes

From Anritsu MU909014C/C6 and MU909015C/C6 specification table. Confirm 1625 versus 1650 versus 1490 third wavelength option.

Laser Safety

Laser Safety OTDR: IEC 60825 1 2014 CLASS 1 Notes From Anritsu MU909014C/C6 and MU909015C/C6 specification table. Confirm 1625 versus 1650 versus 1490 third wavelength option.

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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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.