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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU909015A6 "µOTDR Module, Single Wavelength, 35 dB Class OTDR With PM, PON-PM and LS For MT9090A Network Master Series Mainframes

Anritsu MU909015A6 uOTDR Module Single Wavelength 35 dB Class with PM PON PM and LS for MT9090A The Anritsu MU909015A6 is a single wavelength 35 dB class uOTDR with power meter, PON power meter, and light source for MT9090A. OEM options 053/063 are 1625 nm and 054/064 are 1650 nm at 35 dB typical dynamic range at 20 us. In service 1625/1650 nm maintenance OTDR plus PON downstream power checks and stabilized light source on one Network Master module. Single wavelength 35 dB class OTDR with PM PON PM and LS The Anritsu MU909015A6 is a single wavelength 35 dB class uOTDR with power meter, PON power meter, and light source for MT9090A. OEM options 053/063 are 1625 nm and 054/064 are 1650 nm at 35 dB typical dynamic range at 20 us. In service 1625/1650 nm maintenance OTDR plus PON downstream power checks and stabilized light source on one Network Master module. Single wavelength 35 dB class OTDR with PM PON PM and LS PON power meter 1490/1550 nm isolation greater than 35/50 dB



MODEL

**Anritsu
MU909015A6**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU909015A6

LISTING

<https://aumictechlabs.com/products/mu909015a6-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MU909015A6 is a single-wavelength μ OTDR module designed for integration into MT9090A Network Master series mainframes. This 35 dB class OTDR combines optical time-domain reflectometry with integrated Power Meter (PM), PON Power Meter (PON-PM), and Light Source (LS) functions into a single test engine. The module delivers real-time OTDR traces in under 1 second and supports automatic event analysis with user-defined thresholds. Built for field deployment on FTTx, PON, and metro network installations, It has fault location and fiber characterization without breaking optical connections. Additional capabilities include Visual Fault Locator, Live Fiber Detect, connection quality verification, and Fiber Visualizer mode for operators unfamiliar with traditional OTDR workflows.

Technical Specifications

OTDR Performance
Wavelengths: 1310 nm, 1550 nm, 1650 nm (filtered for active maintenance) Dynamic Range: Up to 38 dB Data Sampling: 2 centimeters Dead Zone: 0.8 meters Distance Accuracy: $\pm 1 \text{ m} \pm 3 \times \text{measurement distance} \times 10^{-5} \pm \text{marker resolution}$ Real-time Sweep: <1 second (typical) IOR Setting Range: 1.3000 to 1.7000 (0.0001 step resolution) Fiber Type: Single Mode (SMF) per ITU-T G.652 Fiber Diameter: 10 to 125 μm Trace Format: Telcordia universal (.SOR) issue 2 (SR-4731)

Power Meter (PM) Measurement Range: -50 to 26 dBm Accuracy: $\pm 0.5 \text{ dB}$ Operation: Continuous Wave (CW) Warm-up Time: 10 minutes

Light Source (LS) Wavelengths: 1310 nm, 1490 nm, 1550 nm, 1625 nm, 1650 nm Output Power: $-5 \pm 1.5 \text{ dBm}$ Output Stability: $\leq 0.2 \text{ dB}$ Signal Support: CW and modulated (270 Hz, 1 kHz, 2 kHz)

PON Power Meter (PON-PM) Wavelengths: 1490 nm and 1550 nm Identifies data and video signals; enables fault location without fiber disconnection

Key Features Automatic event detection with PASS/FAIL threshold configuration Video Inspection Probe (VIP) option for connector end-face analysis per IEC 61300-3-35 Live Fiber Detect and connection quality verification Screenshot capture and PDF report generation

Typical Applications FTTx network installation and maintenance; PON system troubleshooting; metro network fiber characterization; in-service fault location on live PON systems.

Compatibility & Integration Designed for MT9090A Network Master series mainframes. Shared OTDR/Light Source output port. Single Mode Fiber (G.652) compatible.

MU909015A6 Characteristics / Specifications

PARAMETER	VALUE
Model	MU909015A6
OTDR Class	single wavelength 35 dB class with PM PON PM and LS
Order Options 1625 nm	MU909015A6 053 and MU909015A6 063
Order Options 1650 nm	MU909015A6 054 and MU909015A6 064
Center Wavelength 053/0	1625 plus or minus 15 nm
Center Wavelength 054/0	1650 plus or minus 15 nm
Dynamic Range PW 20 us	35 dB typical
Dynamic Range PW 500 ns	25 dB typical 24 dB on listed 1650 row
Dead Zone Fresnel Typical IOR 1.5000	less than or equal to 0.8 m
Dead Zone Backscatter Typical	less than or equal to 4.5 m
Sampling Resolution Minimum	2 cm
Sampling Points	less than 250001 pts Course less than 7501 Medium less than 20001 Fine less than 250001
Light Source Output Power	minus 5 plus or minus 1.5 dBm CW plus 25 C
Light Source Stability	less than or equal to 0.2 dB
Light Source Modes	CW 270 Hz 1 kHz 2 kHz
Power Meter Range CW	minus 50 to plus 26 dBm at 1550 nm
Power Meter Range Modulated	minus 40 to plus 13 dBm 270 Hz 1 kHz 2 kHz
Power Meter Accuracy	plus or minus 0.5 dB
PON Power Meter 1490 nm Range	minus 50 to plus 13 dBm CW
PON Power Meter 1550 nm Range	minus 50 to plus 26 dBm CW
PON Isolation	1490 nm greater than 35 dB and 1550 nm greater than 50 dB design assurance
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
Host Mainframe	MT9090A Network Master

PARAMETER	VALUE
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
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
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Laser Safety OTDR	IEC 60825 1 2014 CLASS 1 Notes From Anritsu MU909015A6 specification block and Light Source / Power Meter / PON Power Meter tables.

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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Ingress Protection	IEC 60529 IP51
Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1

Notes

From Anritsu MU909015A6 specification block and Light Source / Power Meter / PON Power Meter tables.

Laser Safety

Laser Safety OTDR: IEC 60825 1 2014 CLASS 1 Notes From Anritsu MU909015A6 specification block and Light Source / Power Meter / PON Power Meter tables.

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.