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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU909014C6 "µOTDR Module, 3-Wavelength, 30 dB Class OTDR With PM, PON-PM, LTS And LS For MT9090A Network Master Series Mainframes

Anritsu MU909014C6 µOTDR Module 3 Wavelength 30 dB Class with PM PON PM LTS and LS for MT9090A The Anritsu MU909014C6 is the 30 dB class tri wavelength µOTDR with power meter, PON power meter, loss test set, and light source. OEM dynamic range at 20 us is 32.5/31/32.5 dB on 1310/1550 plus 1625 or 1650 nm options. Compact tri wavelength OTDR plus OLTS for access and PON where 30 dB class performance is sufficient. Tri wavelength 30 dB class OTDR with PM PON PM LTS and LS The Anritsu MU909014C6 is the 30 dB class tri wavelength µOTDR with power meter, PON power meter, loss test set, and light source. OEM dynamic range at 20 us is 32.5/31/32.5 dB on 1310/1550 plus 1625 or 1650 nm options. Compact tri wavelength OTDR plus OLTS for access and PON where 30 dB class performance is sufficient. Tri wavelength 30 dB class OTDR with PM PON PM LTS and LS Stabilized LS minus 5 plus or minus 1.5 dBm



MODEL

**Anritsu
MU909014C6**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU909014C6

LISTING

<https://aumictechlabs.com/products/mu909014c6-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MU909014C6 is a tri-wavelength μ OTDR module engineered for the MT9090A Network Master series mainframes. This 30 dB class OTDR delivers integrated optical testing across power measurement, PON diagnostics, light source generation, and loss characterization. The module supports fiber installation and maintenance workflows, from initial deployment through long-term network validation. Technical Specifications OTDR Wavelengths: 1310 nm, 1550 nm, and filtered 1625 nm or 1650 nm Dynamic Range: Up to 38 dB Resolution: 2 cm Data Sampling: 2 cm Dead Zone: Less than 1 m (approximately 0.8 m) Launch Fiber: Integrated 10 m fiber for connector reference measurements PON Measurement: 1490 nm (data) and 1550 nm (video) simultaneous dual-wavelength identification in FTTx networks with splits to 1 × 64 Key Features Fiber Visualizer mode automates parameter selection and delivers graphical fiber summary without OTDR expertise Integrated Power Meter (PM) and PON Power Meter (PON-PM) with threshold-based PASS/FAIL evaluation Light Source (LTS) offering continuous-wave and modulated output (270 Hz, 1 kHz, 2 kHz) at 1310 nm and 1550 nm Loss Test Set (LS) for direct optical loss measurement User-defined event thresholds for splice loss, reflectance, and total span loss validation Telcordia SR-4731 data format support ensures compatibility with legacy Anritsu, NetTest, and third-party equipment Typical Applications FTTx network deployment and maintenance. PON monitoring and signal verification. Fiber event characterization and loss budgeting. Field troubleshooting requiring portable, multi-function optical diagnostics. Compatibility & Integration Mainframe: MT9090A Network Master series only Connectivity: Ethernet, Wi-Fi, Bluetooth (USB dongles may be required) Form Factor: Handheld, pocket-size design with high-resolution widescreen color display for indoor and outdoor operation

MU909014C6 Characteristics / Specifications

PARAMETER	VALUE
Model	MU909014C6
OTDR Class	3 wavelength 30 dB class with PM PON PM LTS and LS
Dynamic Range PW 20 us	32.5 dB / 31 dB / 32.5 dB typical
Dynamic Range PW 500 ns	24.5 dB / 23 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 Other Bands	less than or equal to 4.5 m
Sampling Resolution Minimum	2 cm
Sampling Points	less than 250001 pts
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 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 1550 nm greater than 50 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
In Service Signal Footnote	minus 20 dBm CW at 1310/1550 nm for 1625/1650 guarantee conditions
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

PARAMETER	VALUE
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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Vibration	MIL T 28800E Class 3
Laser Safety OTDR	IEC 60825 1 2014 CLASS 1 Notes From Anritsu MU909014C6 specification and accessory function tables. 30 dB class rows use 32.5/31/32.5 dB at 20 us.

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 is sufficient.

Key Features

Tri wavelength 30 dB class OTDR with PM PON PM LTS and LS

32.5/31/32.5 dB typical at 20 us

0.8 m typical Fresnel dead zone

Stabilized LS minus 5 plus or minus 1.5 dBm

PON power meter on 1625/1650 port

Technical Specifications

Model: MU909014C6

OTDR Class: 3 wavelength 30 dB class with PM PON PM LTS and LS

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

Specifications

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Laser Safety OTDR	IEC 60825 1 2014 CLASS 1

Notes

From Anritsu MU909014C6 specification and accessory function tables. 30 dB class rows use 32.5/31/32.5 dB at 20 us.

Laser Safety

Laser Safety OTDR: IEC 60825 1 2014 CLASS 1 Notes From Anritsu MU909014C6 specification and accessory function tables. 30 dB class rows use 32.5/31/32.5 dB at 20 us.

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.