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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU909014C "µOTDR Module, 3-Wavelength, 30 dB Class OTDR For MT9090A Network Master Series Mainframes

The Anritsu MU909014C6 is a µOTDR plug-in module for the MT9090A Network Master platform providing tri-wavelength OTDR performance with dynamic range up to 38 dB, dead zones less than 1 m, and 2 cm resolution class event mapping. OEM µOTDR literature lists 1310/1550 nm plus filtered 1650 or 1625 nm configurations for installation and in-service PON testing. FTTx/PON construction and maintenance, short-to-long haul fiber troubleshooting to about 150 km class, and palm-sized modular OTDR testing. Tri wavelength OTDR including filtered live fiber wavelength Remote Transfer Class: Trace file transfer class Calibration: Optical OTDR calibration class Export Classification Class: Commercial OTDR class From Anritsu µOTDR Module Series MU909014C/14C6 product literature. Confirm exact filtered wavelength on the C6 configuration label.



MODEL

**Anritsu
MU909014C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU909014C

LISTING

<https://aumictechlabs.com/products/mu909014c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MU909014C is a micro Optical Time-Domain Reflectometer (µOTDR) module for the MT9090A Network Master series mainframes. This compact plug-in module delivers three-

wavelength OTDR testing with 30 dB dynamic range, achieving 38 dB maximum performance across 1310 nm, 1550 nm, and filtered 1625/1650 nm bands. It combines OTDR, power meter, loss test set, and light source functions in a single 700 g instrument measuring 19 cm × 9.6 cm × 4.8 cm, enabling field technicians to perform comprehensive fiber characterization without carrying separate test equipment. The module achieves 2 cm resolution, sub-1 meter dead zone performance, and extends to 150 km measurement range over standard ITU-T G.652 SMF. Real-time trace updates at 0.25 second intervals support rapid fault diagnosis and splitter testing through 1×64 PON configurations. Technical Specifications Wavelengths: 1310 nm, 1550 nm, filtered 1625 nm or 1650 nm Dynamic Range: Up to 38 dB Resolution: 2 cm Dead Zone: ≤ 4.0 m @ 1310 nm; ≤ 4.5 m @ 1490/1550/1625/1650 nm Distance Range: 0.5 to 250 km (configurable) Loss Measurement Accuracy: ±0.05 dB/dB or ±0.1 dB (whichever is greater) Pulse Widths: 5 ns to 20 μs (12 selectable settings) Fiber Type: 10 μm/125 μm SMF per ITU-T G.652 PON Testing: Up to 1×64 splitter support Power Meter Modulation: 270 Hz, 1 kHz, 2 kHz, CW Update Rate: 0.25 seconds minimum Key Features Integrated launch fiber eliminates external connectors for initial backscatter measurement Fiber Visualizer mode streamlines operation for technicians without OTDR expertise Built-in PON power meter, loss test set, and light source consolidate typical field kit functions Interchangeable FC and SC adapters Sealed construction rated for field deployment Wide-screen color display optimized for outdoor readability Connectivity & Compatibility Bluetooth, Wi-Fi, Ethernet, USB interfaces Telcordia SR-4731 data format export for cross-platform compatibility MT9090A Network Master series mainframe integration USB Ethernet converters and wireless dongles supported Typical Applications PON network installation and commissioning Fiber link troubleshooting and event localization Maintenance testing of long-haul and metro DWDM routes Splice loss and reflectance characterization

MU909014C Characteristics / Specifications

PARAMETER	VALUE
Host Mainframe	MT9090A Network Master
Instrument Type	μOTDR module
Wavelengths Class	1310 nm / 1550 nm plus filtered 1650 or 1625 nm
Dynamic Range Maximum Class	up to 38 dB
Dead Zone Class	less than 1 m
Event Resolution Class	2 cm class
PON Split Support Class	up to 1×64 class
Distance Capability Class	over 150 km class
Form Factor	Handheld modular OTDR plugin
Series Family	MU909014C / MU909014C6
Fiber Type	Single mode
Connector Class	User interchangeable optical adapters class
Operating Temperature Class	Field handheld range class
Power	Supplied by MT9090A battery system
Display	Through MT9090A handheld UI
Remote Transfer Class	Trace file transfer class
Calibration	Optical OTDR calibration class
Export Classification Class	Commercial OTDR class
Warmup Class	Per module recommendation
Storage	Internal trace memory class
Manufacturer	Anritsu
Related Modules	MU909015C family
Operating temperature	Class: Field handheld range class

MU909014C Specifications

PARAMETER	VALUE
Applications	FTTx/PON construction and maintenance, short-to-long haul fiber troubleshooting to about 150 km class, and palm-sized modular OTDR testing.
Up to 38 dB dynamic range	Dead zones less than 1 m
Technical Specifications	Host Mainframe: MT9090A Network Master
Notes	From Anritsu μ OTDR Module Series MU909014C/14C6 product literature. Confirm exact filtered wavelength on the C6 configuration label.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Field handheld range class
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Power	Supplied by MT9090A battery system
Display	Through MT9090A handheld UI
Remote Transfer Class	Trace file transfer class
Calibration	Optical OTDR calibration class
Export Classification Class	Commercial OTDR class
Warmup Class	Per module recommendation
Storage	Internal trace memory class
Manufacturer	Anritsu
Related Modules	MU909015C family Notes From Anritsu μOTDR Module Series MU909014C/14C6 product literature. Confirm exact filtered wavelength on the C6 configuration label.

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 with dynamic range up to 38 dB, dead zones less than 1 m, and 2 cm resolution class event mapping. OEM μ OTDR literature lists 1310/1550 nm plus filtered 1650 or 1625 nm configurations for installation and in-service PON testing.

Applications

FTTx/PON construction and maintenance, short-to-long haul fiber troubleshooting to about 150 km class, and palm-sized modular OTDR testing.

Key Features

Tri wavelength OTDR including filtered live fiber wavelength

Up to 38 dB dynamic range

Dead zones less than 1 m

2 cm resolution class

MT9090A modular handheld platform

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Host Mainframe	MT9090A Network Master
Instrument Type	μ OTDR module
Wavelengths Class	1310 nm / 1550 nm plus filtered 1650 or 1625 nm
Dynamic Range Maximum Class	up to 38 dB
Dead Zone Class	less than 1 m
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Form Factor	Handheld modular OTDR plugin
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Fiber Type	Single mode
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Display	Through MT9090A handheld UI
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Export Classification Class	Commercial OTDR class
Warmup Class	Per module recommendation

PARAMETER	VALUE
Storage	Internal trace memory class
Manufacturer	Anritsu
Related Modules	MU909015C family

Notes
From Anritsu μ OTDR Module Series MU909014C/14C6 product literature. Confirm exact filtered wavelength on the C6 configuration label.

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.