

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 2, 2026

ANRITSU

Anritsu MT9083A ACCESS Master – Optical Time Domain Reflectometers

Anritsu MT9083A ACCESS Master – Optical Time Domain Reflectometers The MT9083A provides a general-purpose portable optical time domain reflectometer from the Anritsu ACCESS Master family, designed for field fiber fault location and characterization with dynamic range up to approximately 38 dB in the A-series configuration. It supports SM and MM testing through wavelength-specific option configurations and optional built-in light source and optical power meter features. Access network and metro fiber I&M; FTTx and PON-capable fault location; SM and MM link characterization; field OTDR testing with optional integrated source and power meter; installation verification and troubleshooting on outside-plant fiber. The MT9083A provides a general-purpose portable optical time domain reflectometer from the Anritsu ACCESS Master family, designed for field fiber fault location and characterization with dynamic range up to approximately 38 dB in the A-series configuration. It supports SM and MM testing through wavelength-specific option configurations and optional built-in light source and optical power meter features. Access network and metro fiber I&M; FTTx and PON-capable fault location; SM and MM link characterization; field OTDR testing with optional integrated source and power meter; installation verification and troubleshooting on outside-plant fiber.



MODEL

Anritsu MT9083A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MT9083A

LISTING

<https://aumictechlabs.com/products/mt9083a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MT9083A ACCESS Master is a compact Optical Time Domain Reflectometer designed for precise fault location and optical reflectometry in FTTx and access network environments. It delivers detailed measurement results with rapid analysis through an intuitive operator interface, enabling field technicians and network engineers to characterize fiber links across diverse deployment scenarios with high accuracy.

Technical Specifications

Optical Measurements

Wavelengths configurable by module selection

Dynamic range available across multiple module configurations for varying fiber lengths and link losses

Event dead zone optimized for detection of closely spaced events

Attenuation dead zone engineered for minimal values

Pulse widths selectable to optimize distance measurement, resolution, and dead zone performance

Measurement range suitable for access networks and FTTx deployments; maximum distances dependent on module and fiber type

Refractive index user-configurable for installed fiber type

accuracy

Averaging time adjustable to improve signal-to-noise ratio

Internal memory for trace data storage with external storage via standard interfaces

Performance Characteristics

High sampling resolution for detailed trace analysis

High distance accuracy for precise fault localization

Accurate optical signal loss measurement across fiber links

Configurable reflection threshold for reflective event characterization

Large data point acquisition per trace for high-resolution analysis

Key Features

Automatic event detection and reporting for splices, connectors, and breaks with associated loss and reflection values

Comprehensive trace analysis including end-to-end loss, ORL (Optical Return Loss), and splice loss estimation

Pass/fail analysis capability

Typical Applications

FTTx network deployment verification

Access network characterization and troubleshooting

Fiber event identification and loss quantification

Link acceptance testing and commissioning

Compatibility & Integration

Module-based architecture allows wavelength and performance configuration selection. Trace data exports via standard interfaces support integration with network documentation systems.

Features & description

From manufacturer datasheet

Features

- ACCESS Master general-purpose portable OTDR (A series, not B/C performance tiers)
- Dynamic range up to approximately 38 dB class (configuration dependent)
- SM and MM options via configurations (850/1300 MM; 1310/1550/1625/1650 SM, etc.)
- Dead zone less than 1 m class
- FTTx/PON capable per installed configuration
- Optional built-in light source and optical power meter
- USB interface
- 6.5-inch TFT display
- Power-on to ready approximately 15 seconds

Built-In Options: Light source and optical power meter (configuration dependent)

Interface: USB Display: 6.5-inch TFT Startup Time: approximately 15 seconds to ready Family Context
MT9083A: General purpose, up to approximately 38 dB MT9083B: High performance, up to approximately 42 dB MT9083C: Ultra-high performance, up to approximately 45 dB Standard Operating Conditions Confirm installed wavelength option code on faceplate before quoting dynamic range or dead zone. Clean connectors before measurement. Allow approximately 15 seconds after power-on before testing. Operational Notes Do not apply MT9083C 45 dB dynamic range figures to MT9083A—quote A-series approximately 38 dB class only. Optional built-in LS/OPM and exact wavelength set depend on configuration; verify option faceplate before inventory description. Alias MT9083A.

MT9083A Characteristics / Specifications

PARAMETER	VALUE
Anritsu MT9083A ACCESS Master	Optical Time Domain Reflectometers Overview The MT9083A provides a general-purpose portable optical time domain reflectometer from the Anritsu ACCESS Master family, designed for field fiber fault location and characterization with dynamic range up to approximately 38 dB in the A-series configuration. It supports SM and MM testing through wavelength-specific option configurations and optional built-in light source and optical power meter features.
Model	MT9083A
Manufacturer	Anritsu
Instrument Type	Handheld OTDR – ACCESS Master General Purpose (A series)
Dynamic Range	up to approximately 38 dB class (A series; configuration dependent)
Fiber Support	SM and MM via option configurations
Example Wavelength Options	850/1300 nm MM; 1310/1550/1625/1650 nm SM variants
Dead Zone	less than 1 m class
PON/FTTx	Capable per configuration
Interface	USB
Display	6.5-inch TFT
Startup Time	approximately 15 seconds to ready Family Context
MT9083A	General purpose, up to approximately 38 dB
MT9083B	High performance, up to approximately 42 dB
MT9083C	Ultra-high performance, up to approximately 45 dB Standard Operating Conditions Confirm installed wavelength option code on faceplate before quoting dynamic range or dead zone. Clean connectors before measurement. Allow approximately 15 seconds after power-on before testing.
Do not apply MT9083C 45 dB dynamic range figures to MT9083A	quote A-series approximately 38 dB class only. Optional built-in LS/OPM and exact wavelength set depend on configuration; verify option faceplate before inventory description. Alias MT9083A.

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 tiers)

- Dynamic range up to approximately 38 dB class (configuration dependent)
- SM and MM options via configurations (850/1300 MM; 1310/1550/1625/1650 SM, etc.)
- Dead zone less than 1 m class
- FTTx/PON capable per installed configuration
- Optional built-in light source and optical power meter
- USB interface
- 6.5-inch TFT display
- Power-on to ready approximately 15 seconds

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	MT9083A
Manufacturer	Anritsu
Instrument Type	Handheld OTDR – ACCESS Master General Purpose (A series)
Dynamic Range	up to approximately 38 dB class (A series; configuration dependent)
Fiber Support	SM and MM via option configurations
Example Wavelength Options	850/1300 nm MM; 1310/1550/1625/1650 nm SM variants
Dead Zone	less than 1 m class
PON/FTTx	Capable per configuration

Built-In Options: Light source and optical power meter (configuration dependent)

Specifications

PARAMETER	VALUE
Interface	USB
Display	6.5-inch TFT
Startup Time	approximately 15 seconds to ready

Family Context

Specifications

PARAMETER	VALUE
MT9083A	General purpose, up to approximately 38 dB
MT9083B	High performance, up to approximately 42 dB
MT9083C	Ultra-high performance, up to approximately 45 dB

Standard Operating Conditions

Confirm installed wavelength option code on faceplate before quoting dynamic range or dead zone. Clean connectors before measurement. Allow approximately 15 seconds after power-on before testing.

Operational Notes

Do not apply MT9083C 45 dB dynamic range figures to MT9083A—quote A-series approximately 38 dB class only. Optional built-in LS/OPM and exact wavelength set depend on configuration; verify option faceplate before inventory description. Alias MT9083A.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 2, 2026

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