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Data Sheet

August 3, 2026

ANRITSU

Anritsu MS9001A1 – Optical Spectrum Analyzer

Anritsu MS9001A1 – Optical Spectrum Analyzer The MS9001A1 provides a multifunctional optical spectrum analyzer in the Anritsu MS9001 family for optical-communication wavelengths from approximately 600 to 1750 nm, supporting LD/LED spectrum, fiber-loss, and filter-transmission measurements with GPIB remote control. Near-IR LD and LED spectrum characterization; optical part and fiber loss measurement; filter and WDM device evaluation; laboratory and production optical spectrum analysis in the MS9001A/A1 lineage preceding MS9001B/B1. The MS9001A1 provides a multifunctional optical spectrum analyzer in the Anritsu MS9001 family for optical-communication wavelengths from approximately 600 to 1750 nm, supporting LD/LED spectrum, fiber-loss, and filter-transmission measurements with GPIB remote control. Near-IR LD and LED spectrum characterization; optical part and fiber loss measurement; filter and WDM device evaluation; laboratory and production optical spectrum analysis in the MS9001A/A1 lineage preceding MS9001B/B1.



MODEL Anritsu MS9001A1	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU MS9001A1	LISTING https://aumictechlabs.com/products/ms9001a1-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MS9001A1 is a optical spectrum analyzer delivering precise wavelength component analysis across the 0.6 to 1.75 μm range. Engineered for optical communication systems, this instrument provides accurate spectral characterization with dynamic range exceeding 40 dB and

polarization-independent level measurement accuracy. Technical Specifications Wavelength Range: 0.6 to 1.75 μm (600 to 1750 nm) Level Measurement Range: -70 dBm to +10 dBm Level Measurement Accuracy: ± 2 dB across specified wavelength range Dynamic Range (Stray Light Level): Greater than 40 dB at ± 1 nm from peak Sweep Time: 0.3 seconds Power Requirements: 100/115/120/200/220 Vac $\pm 10\%$ Key Features Polarization-independent measurements ensure consistent accuracy regardless of signal polarization state GPIB interface with 1000 data point memory capacity for automated test sequences and remote operation Fast 0.3 second sweep time minimizes analysis duration for spectrum instability characterization High dynamic range performance eliminates stray light artifacts within the critical ± 1 nm measurement window Typical Applications Wavelength component analysis in optical communication systems Spectral characterization of optical signals in networking infrastructure Detailed spectral measurements for optical system validation and troubleshooting Compatibility & Integration GPIB connectivity enables integration into automated test environments and supports remote instrument control. Data memory accommodates 1000 spectral points per measurement, facilitating comprehensive signal analysis and post-acquisition processing.

Features & description

From manufacturer datasheet

Features

- Optical spectrum analyzer, approximately 600 to 1750 nm
- MS9001 family instrument (A1 designation)
- Analysis functions for LD/LED spectra, fiber loss, and filter transmission
- GPIB remote interface
- Benchtop diffraction-grating OSA platform

MS9001A1 Characteristics / Specifications

PARAMETER	VALUE
Anritsu MS9001A	Optical Spectrum Analyzer Overview The MS9001A1 providesamultifunctional optical spectrum analyzer in the Anritsu MS9001 family for optical-communication wavelengths from approximately 600 to 1750 nm, supporting LD/LED spectrum, fiber-loss, and filter-transmission measurements with GPIB remote control.
Model	MS9001A1
Manufacturer	Anritsu
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	600 to 1750 nm (0.6 to 1.75 μm class)
Related Family	MS9001A; MS9001B / MS9001B1 (later successors with published dynamic-range distinctions)
Remote Interface	GPIB
Alias	MS9001A1 Standard Operating Conditions Allow warm-up and perform wavelength/level calibration per Anritsu procedure before absolute measurements. Select resolution and averaging appropriate for the source linewidth. Confirm A1 faceplate marking versus later B/B1 units when quoting calibration.

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

Specifications

PARAMETER	VALUE
Model	MS9001A1
Manufacturer	Anritsu
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	600 to 1750 nm (0.6 to 1.75 μm class)
Related Family	MS9001A; MS9001B / MS9001B1 (later successors with published dynamic-range distinctions)
Remote Interface	GPIB
Alias	MS9001A1

Standard Operating Conditions

Allow warm-up and perform wavelength/level calibration per Anritsu procedure before absolute measurements. Select resolution and averaging appropriate for the source linewidth. Confirm A1 faceplate marking versus later B/B1 units when quoting calibration.

Operational Notes

MS9001A1 is an earlier MS9001-family OSA-distinct from MS9001B and MS9001B1. Detailed published numeric level/dynamic-range tables are more complete for B/B1; verify absolute specs against the unit’s OEM manual or calibration certificate when available. Alias MS9001A1.

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
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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.