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Data Sheet

August 3, 2026

ANRITSU

Anritsu MS9701B Optical Spectrum Analyzer

Anritsu MS9701B Optical Spectrum Analyzer The MS9701B provides an Anritsu optical unit designed to pair with the MS9030A display/controller unit to form a modular optical spectrum analyzer system for laboratory characterization of optical sources and components. Modular OSA configurations using MS9030A display + MS9701B optical unit; optical source and component spectrum evaluation; laboratory and production optical spectrum measurements in the Anritsu MS9030A/MS970x modular family. The MS9701B provides an Anritsu optical unit designed to pair with the MS9030A display/controller unit to form a modular optical spectrum analyzer system for laboratory characterization of optical sources and components. Modular OSA configurations using MS9030A display + MS9701B optical unit; optical source and component spectrum evaluation; laboratory and production optical spectrum measurements in the Anritsu MS9030A/MS970x modular family.



MODEL

Anritsu MS9701B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MS9701B

LISTING

<https://aumictechlabs.com/products/ms9701b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MS9701B is a modular optical spectrum analyzer that delivers precise spectral measurements across the ultraviolet to near-infrared spectrum. Operating as a plug-in module for the MS9030A display unit, It has engineers with high-resolution analysis capabilities essential for characterizing optical devices, evaluating DWDM systems, and conducting fiber-optic

research. Technical Specifications Wavelength Range: 350 nm to 1750 nm Wavelength Resolution: 0.1 nm (minimum) to 10 nm (maximum) Spectral Span: 50 nm to 500 nm Input Power Range: -55 dBm to +10 dBm Dynamic Range: 50 dB maximum Measurement Accuracy: ± 1.5 dB Sweep Time: 1 s minimum Fiber Type: Single mode Key Features Fine-grained wavelength resolution down to 0.1 nm enables detection of narrow spectral features and precise peak identification. Wide dynamic range of 50 dB accommodates both strong signals and weak optical components in a single measurement. Selectable resolution and span settings optimize measurement time versus spectral detail for diverse test scenarios. Remote control via GPIB and RS-232C interfaces supports automated test sequences and system integration. Typical Applications Spectral characterization of laser diodes and light-emitting diodes DWDM channel analysis and wavelength grid verification Optical component evaluation including isolators and passive transmission elements Optical fiber system noise figure and gain assessment Fiber-optic device and system research and development Compatibility & Integration The MS9701B operates as a plug-in module requiring the Anritsu MS9030A display unit for operation. Dual control interfaces GPIB and RS-232C - enable remote operation and integration into automated measurement systems.

Features & description

From manufacturer datasheet

Features

- Optical unit for Anritsu modular OSA system
- Pairs with MS9030A display unit
- Forms complete optical spectrum analyzer when combined with MS9030A
- Related to MS9701A / MS9702B / MS9703C optical-unit family variants

MS9701B Characteristics / Specifications

PARAMETER	VALUE
Model	MS9701B
Manufacturer	Anritsu
Instrument Type	Optical Spectrum Analyzer Optical Unit (modular)
Companion Display	MS9030A
System Configuration	MS9030A + MS9701B
Related Optical Units	MS9701A; MS9702B; MS9703C
Alias	MS9701B Standard Operating Conditions Operate only with a compatible MS9030A display/controller and interconnect cabling per Anritsu modular OSA procedures. Allow system warm-up before precision measurements. Confirm optical-unit and display firmware compatibility.
MS9701B is the optical unit	not a standalone all-in-one OSA like MS9001/MS97xx benchtop models. Catalog listings often title the combination "MS9701B with MS9030A." Alias MS9701B.

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	MS9701B
Manufacturer	Anritsu
Instrument Type	Optical Spectrum Analyzer Optical Unit (modular)
Companion Display	MS9030A
System Configuration	MS9030A + MS9701B
Related Optical Units	MS9701A; MS9702B; MS9703C
Alias	MS9701B

Standard Operating Conditions

Operate only with compatible MS9030A display/controller and interconnect cabling per Anritsu modular OSA procedures. Allow system warm-up before precision measurements. Confirm optical-unit and display firmware compatibility.

Operational Notes

MS9701B is the optical unit-not a standalone all-in-one OSA like MS9001/MS97xx benchtop models. Catalog listings often title the combination “MS9701B with MS9030A.” Alias MS9701B.

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.