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Data Sheet

August 14, 2026

ANRITSU

Anritsu MS9702B 16" Optical Spectrum Analyzer

Anritsu MS9702B Optical Spectrum Analyzer The Anritsu MS9702B is a benchtop optical spectrum analyzer in the MS970xB family for telecom spectral measurements. OEM documentation lists diffraction-grating architecture, selectable resolution bandwidth, and calibrated optical level measurements. Laser spectra, WDM channel checks, and optical component spectral characterization. Instrument Type: Diffraction grating optical spectrum analyzer The Anritsu MS9702B is a benchtop optical spectrum analyzer in the MS970xB family for telecom spectral measurements. OEM documentation lists diffraction-grating architecture, selectable resolution bandwidth, and calibrated optical level measurements. Laser spectra, WDM channel checks, and optical component spectral characterization. Instrument Type: Diffraction grating optical spectrum analyzer Wavelength Range Class: Visible to IR telecom coverage class per MS9702B datasheet



MODEL

Anritsu MS9702B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MS9702B

LISTING

<https://aumictechlabs.com/products/ms9702b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MS9702B is a optical spectrum analyzer engineered for precise spectral characterization across visible and near-infrared wavelengths. It delivers advanced capabilities for research, development, manufacturing, and quality control environments, supporting detailed optical power measurement, wavelength analysis, and spectral evaluation of lasers, LEDs, and

optical communication systems. Technical Specifications Wavelength Range: 0.6 μm to 1.75 μm
Dynamic Range: Up to 70 dB; 62 dB in normal measurement mode at 1 nm from peak; exceeds 70 dB in high-dynamic-range mode Optical Reception Sensitivity: -90 dBm (guaranteed) Wavelength Accuracy: ± 0.1 nm (1530–1570 nm with 0.5–1 nm resolution, post-calibration with reference source) Sweep Speed: 0.5 seconds typical (500 nm sweep width, normal mode, 10 kHz VBW) Resolution Bandwidth: 0.1 nm to 1 nm selectable Input Fiber Support: 50/62.5 μm core diameter Power Requirements: 85–132 Vac or 170–250 Vac, 47.5–63 Hz; maximum 150 VA consumption Key Features 6.4-inch color TFT-LCD display for real-time spectral visualization Internal thermal printer for immediate hardcopy documentation High dynamic range capability for SMSR measurements of DFB lasers and narrow-band optical filter evaluation Detects signals down to -90 dBm for low-level optical signal analysis Typical Applications Side Mode Suppression Ratio (SMSR) characterization of DFB-LDs Optical band-pass filter performance evaluation Spectral analysis of laser sources and LEDs Optical communication system component validation Compatibility & Integration GPIB and RS-232C interfaces for automated test system control 3.5-inch FDD storage (Windows) for measurement data archiving and transfer

Features & description

From manufacturer datasheet

Polarization Dependence Class: Specified PDL related uncertainty class

Wavelength Repeatability Class: High repeatability tuning Level Linearity Class: Specified linearity

Operating Temperature Class: Standard lab Series Family: Anritsu MS9702B

MS9702B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Diffraction grating optical spectrum analyzer
Wavelength Range Class	Visible to IR telecom coverage class per MS9702B datasheet
Wavelength Accuracy Class	High accuracy OSA class
Resolution Bandwidth Class	Multiple RBW settings class
Dynamic Range Class	High dynamic range OSA class
Level Sensitivity Class	High sensitivity photodetector path
Level Accuracy Class	Calibrated optical level accuracy
Sweep Modes	Continuous and single sweep
Markers	Multi marker with wavelength level delta
Analysis Functions	Peak SMSR WDM class analysis
Input Connector Class	Fiber optic input with adapter
Remote Interface	GPIB
Display	OSA display class
Form Factor	Benchtop OSA
Polarization Dependence Class	Specified PDL related uncertainty class
Wavelength Repeatability Class	High repeatability tuning
Level Linearity Class	Specified linearity
Operating Temperature Class	Standard lab
Series Family	Anritsu MS9702B
Applications Class	Laser and WDM spectral characterization
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class
Wavelength range	Class: Visible to IR telecom coverage class per MS9702B datasheet
Bandwidth	Class: Multiple RBW settings class
Wavelength repeatability	Class: High repeatability tuning

PARAMETER	VALUE
Operating temperature	Class: Standard lab

MS9702B Specifications

PARAMETER	VALUE
Anritsu MS9702B Optical Spectrum Analyzer	Overview
Technical Specifications	Instrument Type: Diffraction grating optical spectrum analyzer
Notes	From Anritsu MS9702B OEM/family OSA documentation. Confirm exact wavelength span and RBW set on the unit datasheet.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Operating Temperature	Class: Standard lab
Operating Temperature Class	Standard lab
Series Family	Anritsu MS9702B
Applications Class	Laser and WDM spectral characterization
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class Notes From Anritsu MS9702B OEM/family OSA documentation. Confirm exact wavelength span and RBW set on the unit datasheet.

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	
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Internal Memory	Trace save recall class
Notes	
From Anritsu MS9702B OEM/family OSA documentation. Confirm exact wavelength span and RBW set on the unit datasheet.	

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.