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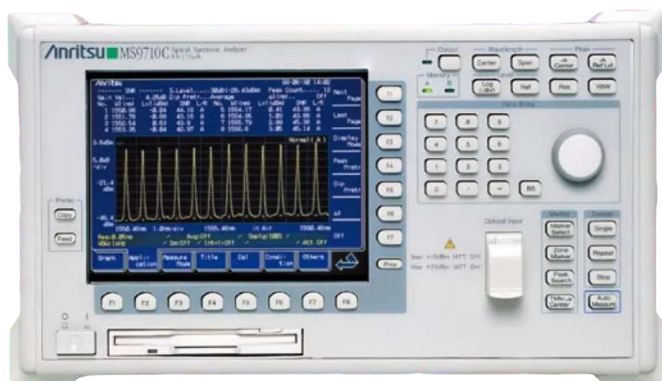
Data Sheet

August 14, 2026

ANRITSU

Anritsu MS9703C " Optical Spectrum Analyzer

Anritsu MS9703C Optical Spectrum Analyzer The Anritsu MS9703C is a C-suffix benchtop optical spectrum analyzer in the MS9703 family for high-performance DWDM spectral analysis. OEM documentation lists diffraction-grating architecture, fine resolution bandwidth, and high dynamic range. DWDM channel analysis, laser diode spectra, and optical amplifier ASE measurements. Instrument Type: Diffraction grating optical spectrum analyzer The Anritsu MS9703C is a C-suffix benchtop optical spectrum analyzer in the MS9703 family for high-performance DWDM spectral analysis. OEM documentation lists diffraction-grating architecture, fine resolution bandwidth, and high dynamic range. DWDM channel analysis, laser diode spectra, and optical amplifier ASE measurements. Instrument Type: Diffraction grating optical spectrum analyzer Wavelength Range Class: Telecom band OSA coverage class per MS9703C datasheet



MODEL

Anritsu MS9703C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MS9703C

LISTING

<https://aumictechlabs.com/products/ms9703c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MS9703C is a optical spectrum analyzer engineered for precise characterization of optical devices and systems across the 600 nm to 1750 nm wavelength range. It delivers wavelength accuracy better than ± 20 pm post-calibration, variable resolution bandwidth down to ≥ 0.07 nm, and input level measurement from -90 to $+10$ dBm depending on wavelength band. The

instrument combines fast sweep speeds with dynamic range exceeding 42 dB at 0.2 nm in normal mode and 60 dB at 0.4 nm in high dynamic range mode, enabling detailed spectral analysis of DWDM systems with 50 GHz (0.4 nm) channel spacing. With a built-in optical attenuator for level control and SNR performance of ≥ 35 dB at 1300/1550 nm, the MS9703C supports quantitative measurement of signal quality across up to 300 DWDM channels.

Technical Specifications

Wavelength Performance Wavelength range: 600 nm to 1750 nm Wavelength accuracy: better than ± 20 pm (post-calibration with optional internal reference) Resolution bandwidth (RBW): ≥ 0.07 nm, ≥ 0.1 nm, ≤ 0.1 nm; configurable settings at 0.2 nm, 0.5 nm, and 1 nm Option 15 enhances accuracy, resolution, power flatness, and linearity in the 1570–1620 nm L-band region

Level Measurement Input range: -65 to $+10$ dBm (600–1000 nm); -85 to $+10$ dBm (1000–1250 nm); -90 to $+10$ dBm (1250–1600 nm) Level accuracy: ± 0.1 dB to ± 0.3 dB (1520–1620 nm, 0.5 nm resolution); ± 0.05 dB (-50 to $+20$ dBm, optical attenuator on/off) Level stability: ± 0.02 dB (1 min, RBW ≥ 0.1 nm, -23 dBm input) Level flatness: ± 0.05 dB (1550/1600 nm); ± 0.1 dB (1300 nm)

Dynamic Range & SNR Normal mode: >42 dB at 0.2 nm; minimum 58 dB at 0.4 nm; 62 dB at 1 nm High dynamic range mode: minimum 60 dB at 0.4 nm; minimum 70 dB at 1 nm Signal-to-noise ratio: ≥ 35 dB (1300/1550 nm)

Key Features Built-in optical attenuator for precise level control Fast measurement speed Supports PMD and EDFA noise floor measurements Measures wavelength, power level, and SNR across up to 300 DWDM channels

Typical Applications DWDM system characterization and verification Optical device and component testing Manufacturing and quality control Research and development in optical communications

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 MS9703C

MS9703C Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Diffraction grating optical spectrum analyzer
Wavelength Range Class	Telecom band OSA coverage class per MS9703C datasheet
Wavelength Accuracy Class	High accuracy OSA class
Resolution Bandwidth Class	Fine RBW settings class
Dynamic Range Class	High dynamic range close in and wide span
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	SMSR WDM OSNR 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 MS9703C
Applications Class	DWDM and laser characterization
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class
Wavelength range	Class: Telecom band OSA coverage class per MS9703C datasheet
Bandwidth	Class: Fine RBW settings class
Wavelength repeatability	Class: High repeatability tuning

PARAMETER	VALUE
Operating temperature	Class: Standard lab

MS9703C Specifications

PARAMETER	VALUE
Anritsu MS9703C Optical Spectrum Analyzer	Overview
Technical Specifications	Instrument Type: Diffraction grating optical spectrum analyzer
Notes	From Anritsu MS9703C OEM/family OSA documentation. Confirm exact wavelength span, RBW set, and dynamic-range deltas 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 MS9703C
Applications Class	DWDM and laser characterization
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class Notes From Anritsu MS9703C OEM/family OSA documentation. Confirm exact wavelength span, RBW set, and dynamic-range deltas 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.

performance DWDM spectral analysis. OEM documentation lists diffraction-grating architecture, fine resolution bandwidth, and high dynamic range.

Applications
DWDM channel analysis, laser diode spectra, and optical amplifier ASE measurements.

Key Features
Diffraction grating OSA engine
Fine resolution bandwidth settings
High dynamic range WDM analysis
GPIB remote control
Marker analysis functions

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Type	Diffraction grating optical spectrum analyzer
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Level Linearity Class	Specified linearity
Operating Temperature Class	Standard lab
Series Family	Anritsu MS9703C
Applications Class	DWDM and laser characterization

PARAMETER	VALUE
Calibration	Wavelength and level calibration support
Internal Memory	Trace save recall class

Notes

From Anritsu MS9703C OEM/family OSA documentation. Confirm exact wavelength span, RBW set, and dynamic-range deltas 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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NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
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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.