


**Aumictech**

Test &amp; measurement • bought, sold, repaired, calibrated

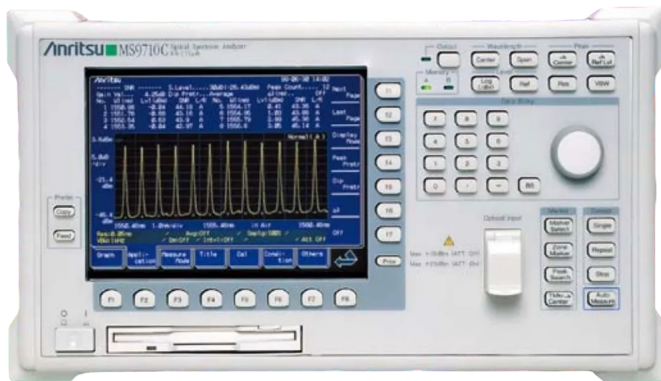
**Data Sheet**

August 14, 2026

ANRITSU

# Anritsu MS9703B 60" Optical Spectrum Analyzer

Anritsu MS9703B Optical Spectrum Analyzer The Anritsu MS9703B is a benchtop optical spectrum analyzer in the MS9703 family for high-performance optical spectral analysis. OEM documentation lists diffraction-grating architecture, fine resolution bandwidth, and high dynamic range for DWDM applications. DWDM channel analysis, laser diode spectra, and optical amplifier ASE measurements. Instrument Type: Diffraction grating optical spectrum analyzer The Anritsu MS9703B is a benchtop optical spectrum analyzer in the MS9703 family for high-performance optical spectral analysis. OEM documentation lists diffraction-grating architecture, fine resolution bandwidth, and high dynamic range for DWDM applications. 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 MS9703B datasheet



MODEL

**Anritsu MS9703B**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**MS9703B**

LISTING

<https://aumictechlabs.com/products/ms9703b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Anritsu MS9703B is a optical spectrum analyzer engineered for spectral characterization of optical devices and systems in telecommunications environments. It delivers precise measurements across a broad wavelength range with 60 dB dynamic range, enabling accurate evaluation of optical transceivers, lasers, and discrete optical components. The instrument

combines intuitive operation with comprehensive analysis functions to streamline spectral data acquisition and signal assessment. Technical Specifications Wavelength Range: 1250 nm to 1650 nm Dynamic Range: 60 dB Key Features Broad spectral coverage spanning the C and L bands for extended component characterization 60 dB dynamic range supports detection and measurement of weak and strong signals within the optical spectrum User-friendly interface reduces setup and measurement time Comprehensive analysis functions enable detailed spectral feature extraction and optical signal diagnostics Typical Applications Optical transceiver validation and characterization Laser source spectral analysis Optical component testing and qualification Telecommunications system development and deployment Photonics and optical research Compatibility & Integration The MS9703B integrates within the broader Anritsu optical spectrum analyzer portfolio, offering compatibility with related instruments including the MS9720A, MS9701C, MS9001B1, and MS9740A platforms. This ecosystem supports flexible test configurations for optical communication systems across research, development, and production environments.

## 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 MS9703B

# MS9703B Characteristics / Specifications

| PARAMETER                      | VALUE                                                        |
|--------------------------------|--------------------------------------------------------------|
| Instrument Type                | Diffraction grating optical spectrum analyzer                |
| Wavelength Range Class         | Telecom band OSA coverage class per MS9703B 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 MS9703B                                              |
| 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 MS9703B datasheet |
| Bandwidth                      | Class: Fine RBW settings class                               |
| Wavelength repeatability       | Class: High repeatability tuning                             |

| PARAMETER             | VALUE               |
|-----------------------|---------------------|
| Operating temperature | Class: Standard lab |

# MS9703B Specifications

| PARAMETER                                 | VALUE                                                                                                                                      |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Anritsu MS9703B Optical Spectrum Analyzer | Overview                                                                                                                                   |
| Technical Specifications                  | Instrument Type: Diffraction grating optical spectrum analyzer                                                                             |
| Notes                                     | From Anritsu MS9703B 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 MS9703B                                                                                                                                                          |
| Applications Class          | DWDM and laser characterization                                                                                                                                          |
| Calibration                 | Wavelength and level calibration support                                                                                                                                 |
| Internal Memory             | Trace save recall class Notes From Anritsu MS9703B 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 optical spectral analysis. OEM documentation lists diffraction-grating architecture, fine resolution bandwidth, and high dynamic range for DWDM applications. |                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 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         |
| Wavelength Range Class                                                                                                                                                    | Telecom band OSA coverage class per MS9703B 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 MS9703B                                       |
| Applications Class                                                                                                                                                        | DWDM and laser characterization                       |

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

Notes

From Anritsu MS9703B 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](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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

NIST-traceable calibration · SAM registered ·  
30-day returns  
NAICS 423690 · 811210 · 541380  
Generated August 14, 2026

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