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Data Sheet

August 14, 2026

ANRITSU

Anritsu MS9726A1 16" Optical Spectrum Analyzer

Anritsu MS9726A1 Optical Spectrum Analyzer Configuration The Anritsu MS9726A1 is a configuration of the MS9726A optical spectrum analyzer family for telecom wavelength spectral analysis. OEM Anritsu OSA literature for the MS972x series describes diffraction-grating OSA measurements of optical power versus wavelength for WDM and laser characterization. WDM channel analysis, DFB/FP laser spectrum checks, and optical component spectral measurements. Instrument Type: Optical spectrum analyzer The Anritsu MS9726A1 is a configuration of the MS9726A optical spectrum analyzer family for telecom wavelength spectral analysis. OEM Anritsu OSA literature for the MS972x series describes diffraction-grating OSA measurements of optical power versus wavelength for WDM and laser characterization. WDM channel analysis, DFB/FP laser spectrum checks, and optical component spectral measurements. Instrument Type: Optical spectrum analyzer Primary Measurement: Optical power versus wavelength



MODEL

Anritsu MS9726A1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MS9726A1

LISTING

<https://aumictechlabs.com/products/ms9726a1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MS9726A1 is an optical spectrum analyzer purpose-built for WDM network monitoring across the C-band window. It delivers simultaneous analysis of up to 128 wavelengths within the 1.45 μm to 1.65 μm range, extracting critical parameters including peak wavelength, peak level, and signal-to-noise ratio (SNR) with 100 pm fixed resolution. The instrument combines real-time spectrum analysis with long-term monitoring capability, enabling extended network supervision and performance trending. Wavelength calibration functionality ensures measurement accuracy over extended deployment periods. Standard GPIB and RS-232 interfaces support remote instrument control and automated data acquisition workflows, while integrated VGA output permits direct connection to external display systems for on-site analysis and troubleshooting.

Technical Specifications
Wavelength Range: 1.45 μm to 1.65 μm
Resolution: 100 pm (fixed)
WDM Channels: Up to 128 wavelengths simultaneously
Measurement Parameters: Peak wavelength, peak level, signal-to-noise ratio (SNR)

Key Features
Spectrum analysis mode with integrated long-term monitoring for continuous network surveillance
Wavelength calibration for sustained measurement accuracy
Fixed 100 pm resolution across entire operating range
Multi-wavelength simultaneous acquisition and analysis

Typical Applications
Dense wavelength division multiplexing (DWDM) system performance validation
C-band optical network monitoring and troubleshooting
Channel power and quality assessment in production environments
Long-term optical signal stability tracking

Compatibility & Integration
The MS9726A1 integrates into existing laboratory and field-deployment infrastructures via standard GPIB and RS-232 communication protocols. VGA output enables integration with standard display peripherals for real-time visualization. Compatibility with specific WDM systems depends on network signal standards and analyzer configuration.

MS9726A1 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical spectrum analyzer
Series Family	MS9726A1
Primary Measurement	Optical power versus wavelength
Wavelength Coverage Class	Visible toLband class per family
Resolution Bandwidth Class	Selectable optical RBW class
Dynamic Range Class	High dynamic range OSA class
Sensitivity Class	High sensitivity photodetector class
Fiber Input Class	SM fiber input class
Connector Class	FC SC interchangeable class
Remote Interface Class	GPIB class
Form Factor	Benchtop OSA
Display	OSA spectrum display class
Operating Temperature Class	Laboratory ambient class
Primary Power Class	AC mains
Warmup Class	Per operating manual
Calibration	Wavelength and level calibration class
Export Classification Class	Commercial OSA class
Marker Functions	Multi marker with delta class
Sweep Modes	Continuous and single sweep class
Amplitude Units	dBm and linear class
Storage	Internal trace memory class
Related Family	MS9726A OSA
Bandwidth	Class: Selectable optical RBW class
Operating temperature	Class: Laboratory ambient class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Laboratory ambient class
Operating Temperature	Class: Laboratory ambient class
Operating Temperature Class	Laboratory ambient class
Primary Power Class	AC mains
Warmup Class	Per operating manual
Calibration	Wavelength and level calibration class
Export Classification Class	Commercial OSA class
Marker Functions	Multi marker with delta class
Sweep Modes	Continuous and single sweep class
Amplitude Units	dBm and linear class
Storage	Internal trace memory class
Related Family	MS9726A OSA Notes From Anritsu MS9726A / MS9726A1 optical spectrum analyzer family documentation. Confirm exact wavelength range 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	
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Notes	
From Anritsu MS9726A / MS9726A1 optical spectrum analyzer family documentation. Confirm exact wavelength range 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.