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Data Sheet

August 14, 2026

ANRITSU

Anritsu MS2024A VNA Master Handheld Analyzer 4GHz

Anritsu MS2024A VNA Master Vector Network Analyzer The Anritsu MS2024A is a handheld VNA Master vector network analyzer covering 2 MHz to 4 GHz for cable, antenna, and component S-parameter measurements in the field. OEM VNA Master literature emphasizes 1-path 2-port measurements, DTF, and field calibration. Antenna VSWR and return loss, filter and amplifier field checks, and distance to fault on feeders. Measurement Type: vector network analysis The Anritsu MS2024A is a handheld VNA Master vector network analyzer covering 2 MHz to 4 GHz for cable, antenna, and component S-parameter measurements in the field. OEM VNA Master literature emphasizes 1-path 2-port measurements, DTF, and field calibration. Antenna VSWR and return loss, filter and amplifier field checks, and distance to fault on feeders. Measurement Type: vector network analysis Ports Class: 1-path 2-port class measurements



MODEL

Anritsu MS2024A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MS2024A

LISTING

<https://aumictechlabs.com/products/ms2024a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MS2024A VNA Master is a handheld, portable Vector Network Analyzer (VNA) designed for accurate RF and microwave component and system measurements. It has vector-

corrected 1-port and 1-path 2-port measurements, as well as Distance-To-Fault (DTF) analysis. This instrument is suitable for field engineers and technicians supporting various applications including aerospace and defense, commercial wireless backhaul, and general-purpose testing, as well as for cost-effective manufacturing and R&D environments. The Anritsu MS2024A is built on a new generation platform with enhanced processing power for rapid measurements.

Technical Specifications

- * Frequency Range: 2 MHz to 4 GHz
- Measurement Capabilities:**
 - * Vector corrected 1-port magnitude and phase measurements
 - * Vector corrected 1-path 2-port magnitude and phase measurements
 - * Distance-To-Fault (DTF) measurements
 - * Return Loss measurements
 - * Cable Loss measurements
 - * VSWR measurements
 - * Smith Chart measurements
 - * 1-Port Phase measurements
 - * 2-Port Phase measurements
 - * 2-Port Gain measurements
 - * Vector Voltmeter replacement
- Sweep Speed: 2 ms/data point
- Dynamic Range:**
 - * Up to 80 dB (2 MHz to 3 GHz)
 - * 70 dB (>3 GHz to 5.5 GHz)
 - * 65 dB (>5.5 GHz to 6 GHz)
 - * 70 dBm (maximum)
- Output Power: 0 dBm (typical)
- * High: 0 dBm (typical)
- * Low: -35 dBm (typical)
- Directivity: Better than 42 dB over the entire frequency range
- RF Immunity Rejection: Up to +17 dBm
- Storage:**
 - * Internal Memory: Store over 1000 traces and setups
 - * Memory Card Slot: For data storage and transfer (Compact Flash)
- Display: High resolution daylight viewable TFT color display
- Battery Life: Greater than 3 hours
- Weight: Less than 6.4 lbs (2.9 kg) including battery
- Languages: English, Spanish, Italian, French, German, Japanese, Korean, and Chinese (customizable two additional languages)
- Electrical Specifications**
 - * Output Power Settings: High and Low power settings for 2-port measurements to eliminate the need for external attenuators
- Interfaces**
 - * Data Transfer: USB / Ethernet / LAN
- Physical**
 - * Form Factor: Handheld, portable, rugged
- Compatibility and Options**
 - * Master Software Tools: For trace analysis, editing, reporting, and more
 - * Cable and Signal Standard List: Built-in and custom editable
- Optional Features:**
 - * Option 5 (MS2024A-005): Power Monitor (requires external detector)
 - * Option 10 (MS2024A-010): Built-in Variable +12 to +24V Bias Tee
 - * Option 15 (MS2024A-015): Vector Voltmeter
 - * Option 19 (MS2024-019): High Accuracy Power Meter (requires PSN50 or MA24106A, sold separately)
 - * Option 31 (MS2024A-031): GPS Receiver (includes GPS antenna) for location and time stamping
- Documentation**
 - * User Guide: Available with release date 11/02/2008
 - * Programming Manual: Available with release date 26/06/2008
 - * Maintenance Manual: Available with release date 01/05/2012

Why Choose Aumictech for Anritsu MS2024A? At Aumictech, we specialize in supplying high-end Vector Network Analyzer equipment. Whether you need precise 1-port and 2-port measurements, comprehensive fault location capabilities, or reliable field testing solutions, our team ensures the Anritsu MS2024A delivers maximum performance for your application.

MS2024A Characteristics / Specifications

PARAMETER	VALUE
Frequency Range	2 MHz to 4 GHz
Instrument Family	Anritsu VNA Master
Measurement Type	vector network analysis
Ports Class	1-path 2-port class measurements
DTF	yes
Return Loss VSWR	yes
Cable Loss	yesSParameter Class: S11 and transmission class measurements per model
Display	color LCD
Form Factor	handheld battery operated
Calibration	OSL and related field calibration class
Data Points	selectable data point counts class
USB Connectivity	yes
Bias Tee Option Path	available on series options
GPS Option Path	available on series options
Operating Temperature Field Class	outdoor field rated class
Weight Class	handheld VNA class
Spectrum Analyzer Included	no
Spectrum Analyzer Frequency Class	not applicable
Dynamic Range Class	handheld VNA Master class dynamic range
Literature Family Tag	verified OEM row set 21
Operating temperature	Field Class: outdoor field rated class
Return loss	VSWR: yes

MS2024A Specifications

PARAMETER	VALUE
Anritsu MS2024A VNA Master Vector Network Analyzer	Overview
Technical Specifications	Frequency Range: 2 MHz to 4 GHz
Notes	Frequency span from Anritsu MS2024A VNA Master product literature.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Field Class: outdoor field rated class
Operating Temperature	Field Class: outdoor field rated class
Operating Temperature Field Class	outdoor field rated class
Weight Class	handheld VNA class
Spectrum Analyzer Included	no
Spectrum Analyzer Frequency Class	not applicable
Dynamic Range Class	handheld VNA Master class dynamic range
Literature Family Tag	verified OEM row set 22 Notes Frequency span from Anritsu MS2024A VNA Master product literature.

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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Spectrum Analyzer Included	no
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Literature Family Tag	verified OEM row set 22
Notes	
Frequency span from Anritsu MS2024A VNA Master product literature.	

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 ·
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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.