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Data Sheet

August 14, 2026

ANRITSU

Anritsu MS2035B " VNA Master / Spectrum Analyzer; 500 kHz " 6 GHz / 9 kHz " 6 GHz

Anritsu MS2035B VNA Master Handheld Analyzer The Anritsu MS2035B VNA Master combines a vector network analyzer covering 500 kHz to 6 GHz with a spectrum analyzer covering 9 kHz to 6 GHz in a handheld platform. OEM product literature targets cable, antenna, and RF component field measurements with integrated spectrum analysis. Cable and antenna commissioning, handheld S-parameter checks, and collocated spectrum interference analysis to 6 GHz. Spectrum Analyzer Frequency Range: 9 kHz to 6 GHz The Anritsu MS2035B VNA Master combines a vector network analyzer covering 500 kHz to 6 GHz with a spectrum analyzer covering 9 kHz to 6 GHz in a handheld platform. OEM product literature targets cable, antenna, and RF component field measurements with integrated spectrum analysis. Cable and antenna commissioning, handheld S-parameter checks, and collocated spectrum interference analysis to 6 GHz. Spectrum Analyzer Frequency Range: 9 kHz to 6 GHz Instrument Type: Handheld VNA Master with spectrum analyzer



MODEL

Anritsu MS2035B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MS2035B

LISTING

<https://aumictechlabs.com/products/ms2035b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MS2035B is a dual-function Vector Network Analyzer and Spectrum Analyzer delivering integrated RF characterization across 500 kHz to 6 GHz (VNA) and 9 kHz to 6 GHz (SA). This 2-port instrument combines S-parameter measurement, return loss, insertion loss, VSWR, and impedance analysis with broadband spectrum monitoring, making it suitable for base station commissioning, component validation, and field troubleshooting.

Technical Specifications

Vector Network Analysis Frequency range: 500 kHz to 6 GHz 2-port S-parameter measurement (S11, S21, S12, S22) Magnitude accuracy: ± 0.1 dB; Phase accuracy: $\pm 1^\circ$ Dynamic range: up to 120 dB Measurement parameters: Return Loss, Insertion Loss, VSWR, Impedance, Phase, Group Delay Trace types: Log Magnitude, Linear Magnitude, Smith Chart, Real, Imaginary, Group Delay, VSWR, Return Loss, Impedance Calibration: SOLT, Response, Isolation, Electrical Delay, Single-Port Data points: up to 201 (selectable) Sweep modes: Frequency, Power Spectrum Analysis Frequency range: 9 kHz to 6 GHz Resolution bandwidth: 1 Hz to 5 MHz (1-3-10 sequence) Video bandwidth: 1 Hz to 5 MHz (1-3-10 sequence) Span: 0 Hz (zero span) to 6 GHz Amplitude range: -145 dBm to +30 dBm DANL: -145 dBm/Hz (typical, pre-amplifier ON) Amplitude accuracy: ± 0.5 dB post-calibration Phase noise: < -100 dBc/Hz at 100 kHz offset (1 GHz carrier) Third-Order Intercept: +15 dBm Detector types: Peak, Sample, Average (RMS), Negative Peak Trace types: Normal, Average (RMS), Max Hold, Min Hold Key Features Portable form factor for field deployment 2-port VNA with Smith Chart visualization Extended low-frequency operation from 9 kHz spectrum monitoring Dual-mode measurement in single instrument Typical Applications Base station installation and commissioning RF component characterization Impedance and reflection coefficient analysis Spectrum occupancy monitoring

MS2035B Characteristics / Specifications

PARAMETER	VALUE
VNA Frequency Range	500 kHz to 6 GHz
Spectrum Analyzer Frequency Range	9 kHz to 6 GHz
Instrument Type	Handheld VNA Master with spectrum analyzer
Dynamic Range Class	High dynamic range handheld VNA class
Measurement Modes Class	S11 S21 cable antenna and spectrum class
Display	Handheld color display class
RF Connectors Class	TypeNfemale class
Input Impedance	50 ohms class
Calibration	OSL and guided calibration class
Battery Operation	Yes
Form Factor	Handheld field analyzer
Series Family	Anritsu MS203xB VNA Master
Applications Class	Cable antenna and RF component field test
USB Connectivity	Yes for trace transfer class
Marker Functions	Multi marker with delta class
Distance To Fault Class	Supported in cable antenna modes class
Return Loss VSWR	Supported measurement modes
Operating Temperature Class	Field temperature range class
Weight Class	Handheld analyzer weight
Storage	Internal trace and setup memory class
GPS Option Class	Available on related VNA Master options class
Bias Tee Class	Available on related options class
Operating temperature	Class: Field temperature range class
Return loss	VSWR: Supported measurement modes

MS2035B Specifications

PARAMETER	VALUE
Anritsu MS2035B VNA Master Handheld Analyzer	Overview
Applications	Cable and antenna commissioning, handheld S-parameter checks, and collocated spectrum interference analysis to 6 GHz.
Handheld VNA plus spectrum analyzer	Vector network measurements to 6 GHz
Technical Specifications	VNA Frequency Range: 500 kHz to 6 GHz

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Field temperature range class
Operating Temperature	Class: Field temperature range class
Operating Temperature Class	Field temperature range class
Weight Class	Handheld analyzer weight
Storage	Internal trace and setup memory class
GPS Option Class	Available on related VNA Master options class
Bias Tee Class	Available on related options class Notes
From Anritsu MS2035B VNA Master OEM product documentation (queue title	500 kHz to 6 GHz VNA / 9 kHz to 6 GHz spectrum). Confirm option-dependent dynamic range and connector 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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Bias Tee Class	Available on related options class
Notes	
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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.