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Data Sheet

August 14, 2026

ANRITSU

Anritsu MT8212A

Anritsu MT8212A Cell Master Base Station Analyzer The Anritsu MT8212A Cell Master is a handheld base station analyzer combining cable/antenna measurements with spectrum and power measurements for cellular site maintenance. OEM Cell Master documentation lists integrated tools for feedline verification and RF spectrum checks at cell sites. Cellular base station commissioning, feedline verification, and site RF troubleshooting. Handheld Cell Master base station analyzer The Anritsu MT8212A Cell Master is a handheld base station analyzer combining cable/antenna measurements with spectrum and power measurements for cellular site maintenance. OEM Cell Master documentation lists integrated tools for feedline verification and RF spectrum checks at cell sites. Cellular base station commissioning, feedline verification, and site RF troubleshooting. Handheld Cell Master base station analyzer

Instrument Type: Handheld Cell Master base station analyzer



MODEL

Anritsu MT8212A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MT8212A

LISTING

<https://aumictechlabs.com/products/mt8212a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MT8212A Cell Master is a handheld network analyzer that combines cable and antenna analysis, spectrum analysis, power metering, and T1/E1 analysis into a single portable instrument. Weighing under 5 lbs (2.28 kg) with field-replaceable battery, it delivers precision measurements across 25 MHz to 4 GHz for cable and antenna characterization, and 10 MHz to 3.0

GHz for spectrum and power analysis. The instrument executes full sweeps in under 500 msec, enabling rapid identification of intermittent faults and real-time signal anomalies. Technical Specifications Cable and Antenna Analysis Frequency range: 25 MHz to 4000 MHz (4 GHz) Return Loss, VSWR, cable loss, distance-to-fault, and phase measurements Selectable data points: 130, 259, or 517 for resolution optimization Vector error correction with FlexCal™ calibration Spectrum Analysis Frequency range: 10 MHz to 3.0 GHz Sensitivity: -135 dBm typical DANL Amplitude accuracy: ± 0.5 dB typical Measurement speed: <500 msec per sweep Patented RF interference rejection Measurements: signal identification, interference analysis, channel power, adjacent channel power ratio, field strength Power Metering Frequency range: 10 MHz to 3.0 GHz Measurement range: -135 dBm typical Amplitude accuracy: ± 0.5 dB typical Physical & Environmental Weight: Under 5 lbs (2.28 kg) including battery Operating temperature: -10°C to +50°C Weather-resistant seals and rubber membrane keypad Withstands repeated drops and rough field handling Key Features All-in-one platform eliminates multiple instrument deployments Fast sweep capability captures intermittent signal problems FlexCal™ technology reduces calibration setup time in field conditions Field-replaceable snap-in battery for extended operation Lightweight handheld form factor for technician mobility Typical Applications Base station deployment and commissioning Cable and transmission line verification Antenna VSWR and return loss validation Spectrum interference identification and mapping T1/E1 circuit testing and diagnostics Field maintenance and troubleshooting Compatibility & Integration The MT8212A integrates T1/E1 analyzer functionality for comprehensive telecommunications testing. Vector error correction and multiple calibration methods support diverse field measurement scenarios without requiring external reference standards.

MT8212A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Handheld Cell Master base station analyzer
Cable Antenna Frequency Range Class	Cellular band CAA coverage class
Spectrum Frequency Range Class	Cellular spectrum coverage class
Measurement Modes	Return loss VSWR DTF spectrum power class
Display	Handheld display class
RF Connectors Class	TypeNfemale class
Input Impedance	50 ohms class
Calibration	OSL field calibration class
Battery Operation	Yes
Form Factor	Handheld Cell Master
Series Family	Anritsu MT8212A Cell Master
Applications Class	Cellular base station field maintenance
USB Or Serial Connectivity Class	Trace transfer supported class
Marker Functions	Multi marker with delta class
Distance To Fault	Supported
Operating Temperature Class	Field temperature range class
Weight Class	Handheld analyzer weight
Storage	Internal trace and setup memory class
Sweep Speed Class	Fast field sweep class
Power Measurement Class	Channel power and related power modes class
Immunity Modes Class	RF immunity settings class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Operating temperature	Class: Field temperature range class
Humidity	Class: Up to 80 percent noncondensing class

PARAMETER	VALUE
Return loss	VSWR DTF spectrum power class

MT8212A Specifications

PARAMETER	VALUE
Anritsu MT8212A Cell Master Base Station Analyzer	Overview
Technical Specifications	Instrument Type: Handheld Cell Master base station analyzer
Notes	From Anritsu MT8212A Cell Master OEM/family documentation. Confirm exact CAA and spectrum frequency ranges on the unit datasheet revision.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Field temperature range class
Operating Temperature	Class: Field temperature range class
Humidity	Class: Up to 80 percent noncondensing class
Operating Temperature Class	Field temperature range class
Weight Class	Handheld analyzer weight
Storage	Internal trace and setup memory class
Sweep Speed Class	Fast field sweep class
Power Measurement Class	Channel power and related power modes class
Immunity Modes Class	RF immunity settings class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class Notes From Anritsu MT8212A Cell Master OEM/family documentation. Confirm exact CAA and spectrum frequency ranges on the unit datasheet revision.

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	
Specifications	
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Distance To Fault	Supported
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Immunity Modes Class	RF immunity settings class
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Notes	
From Anritsu MT8212A Cell Master OEM/family documentation. Confirm exact CAA and spectrum frequency ranges on the unit datasheet revision.	

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.