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Data Sheet

August 13, 2026

ANRITSU

Anritsu MD1230B Data Quality Analyzer 1 x MU120111A 4 x MU120122A Modules

Anritsu MD1230B Data Quality Analyzer with MU120111A and MU120122A modules ensures thorough evaluation of network performance across multiple interfaces. It provides high-speed testing of Ethernet, SONET/SDH, and other protocols, delivering deep insight into jitter, wander, and bit error characteristics.



MODEL

**Anritsu
MD1230B/MU120111A/MU120122A**

CALIBRATION

**Available
on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MD1230B/MU120111A/MU120122A

LISTING

<https://aumictechlabs.com/products/md1230b-mu120111a-mu120122a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MD1230B Data Quality Analyzer with one MU120111A module and four MU120122A modules delivers comprehensive network performance evaluation across multiple interfaces and protocols. This modular configuration enables simultaneous testing of Ethernet and SONET/SDH networks, providing precise measurement of jitter, wander, bit error rate, throughput, and error characteristics. Engineers deploy this system to diagnose network impairments, validate data transmission quality, and optimize infrastructure performance across high-speed connections. Technical Specifications Main Unit: Anritsu MD1230B Core measurement functions:

Data quality analysis, network performance evaluation Supported protocols: Ethernet, SONET/SDH Key metrics: Jitter, wander, bit error rate (BER), throughput, error analysis Architecture: Modular design for flexible interface and analysis module configuration Module: MU120111A Interface type: Protocol-specific (Ethernet, SONET/SDH variants available) Data rates: Range dependent on interface variant (10/100 Mbps, 1 Gbps, 10 Gbps for Ethernet; OC-3, OC-12, OC-48 for SONET/SDH) Capabilities: Packet generation, capture, analysis, error injection Compliance: Meets relevant industry standards for supported interfaces Modules: MU120122A (Qty. 4) Interface type: Protocol-specific (Ethernet, SONET/SDH, PDH variants available) Data rates: Range dependent on interface variant Capabilities: Advanced jitter and wander analysis, BER testing under various stream conditions, performance monitoring Channel support: Single or multiple channels for simultaneous testingKey Features Multi-interface simultaneous analysis and testing across multiple network segments High-speed data stream handling for modern network assessment Deep packet inspection revealing traffic anomalies and performance bottlenecks Precise jitter and wander quantification critical for voice, video, and data services Comprehensive BER testing across varying network conditionsTypical Applications Network infrastructure validation and optimization Protocol-specific performance diagnostics Timing quality assessment in carrier networks Multi-point network segment evaluationCompatibility & Integration The modular architecture accommodates multiple MU120122A modules for expanded testing capacity and interface diversity. Configuration flexibility supports protocol-specific requirements and deployment scenarios.

Features & description

From manufacturer datasheet

Features

- Modular 5-slot portable chassis with integrated screen
- Simultaneous multi-rate Ethernet module support
- RFC2544 and RFC2889 auto test suites
- Full wire rate multi-stream generation
- Real time traffic monitor and capture
- Cascade expand to multiple chassis
- RS-232, GPIB, and Ethernet remote options
- Supports MU120111A and MU120122A among family modules

Applications

- RFC2544 automated throughput, latency, and frame loss testing
- Router and switch production and QA performance testing
- Field troubleshooting of Ethernet and Gigabit networks
- In-service traffic monitoring and capture
- QoS, VLAN, MPLS, and IPTV/PON verification
- Multi-port load testing up to chassis capacity

MD1230BMU120111AMU120122A Characteristics / Specifications

PARAMETER	VALUE
Model	MD1230B
Manufacturer	Anritsu
Instrument Type	Data Quality Analyzer
Alias	MD1230B; Anritsu MD1230B
Operating system	Windows XP
Module slots	up to 5 interface modules
Chassis networking	up to 8 units cascaded class
MU120111A module type	10/100M Ethernet Module
MU120111A ports per module	8
MU120111A interface	10BASE T / 100BASE TX
MU120122A module type	Gigabit Ethernet Module
MU120122A ports per module	4
MU120122A interface	1000BASE class (SFP/GBIC dependent)
Max ports with five MU120111A	up to 40
Auto test suite	RFC2544 throughput, latency, frame loss, back to back
Streams per port class	up to 256
Traffic monitor flows class	up to 64 flows
QoS priority levels	8 levels IEEE802.1D / DSCP
Remote Option	Ethernet
Tcl interface option	Option 06
Decode module option	MD1230B 04
GPS antenna option	Option 05 remote latency
DimensionsWxHxD	320 mm x 177 mm x 350 mm
Mass	less than or equal to 15 kg excluding options and modules
Power supply	85 to 132 Vac / 170 to 250 Vac auto switching

PARAMETER	VALUE
Power frequency	47.5 to 63 Hz
Operating temperature	0 to +40 C
Display	built in LCD with Windows GUI
Related predecessor	MD1230A
Related rack model	MP1591A Notes Specs from Anritsu MD1230B Data Quality Analyzer datasheet for mainframe plus MU120111A/MU120122A modules. Confirm installed modules, optics, options (01/02/03/04/05/06), and firmware on the unit.

General Specifications & Supplementary Characteristics

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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 testing and in-service monitoring. It integrates wire-speed stream generation with multi-interface traffic monitoring on a Windows XP platform with a built-in display. Up to five field-installable interface modules can be installed, including MU120111A (10/100M Ethernet, 8 ports) and MU120122A (Gigabit Ethernet, 4 ports).

Applications

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- Router and switch production and QA performance testing
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Key Features

- Modular 5-slot portable chassis with integrated screen
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- Full wire rate multi-stream generation
- Real time traffic monitor and capture
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Technical Specifications

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Streams per port class	up to 256
Traffic monitor flows class	up to 64 flows
QoS priority levels	8 levels IEEE802.1D / DSCP
Remote Option 01	RS 232C
Remote Option 02	GPIO
Remote Option 03	Ethernet
Tcl interface option	Option 06
Decode module option	MD1230B 04
GPS antenna option	Option 05 remote latency
DimensionsWxHxD	320 mm x 177 mm x 350 mm
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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.