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Data Sheet

August 13, 2026

ANRITSU

Anritsu MD1230A Data Quality Analyzer W MU120111A Modules WITH OPTIONS 03,47

The Anritsu MD1230A is a portable modular data quality analyzer for IP and SONET/SDH network performance testing and in-service monitoring. It integrates router/switch performance testing with multi-interface traffic monitoring on a Windows 98 platform with an 8.4 inch TFT display. Up to five interface modules can be installed simultaneously for 10/100M, Gigabit, 10 Gigabit Ethernet, and POS/EOS rates. Mass: less than or equal to 15 kg excluding options and modules Power supply: 85 to 132 Vac / 170 to 250 Vac auto switching Power consumption: less than or equal to 530 VA Specs from Anritsu MD1230A Data Quality Analyzer datasheet and OEM product pages. Confirm installed interface modules, options (01/02/03/04/05), firmware, and that XENPAK/GBIC optics match the required rates.



MODEL

Anritsu MD1230A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MD1230A

LISTING

<https://aumictechlabs.com/products/md1230a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MD1230A Data Quality Analyzer with MU120111A modules and Options 03 and 47 delivers high-precision network and protocol performance measurement for communication systems. This modular instrument validates traffic handling capabilities, frame structures, and timing behaviors across diverse operational conditions, enabling thorough protocol conformance

testing and quality of service analysis in engineering, system integration, and laboratory environments.

Technical Specifications

Core Analyzer Unit (MD1230A)

Measurement capabilities:

- High-precision network and protocol performance analysis
- Traffic handling validation and frame structure analysis
- Timing behavior assessment under varied operational conditions
- Deep packet inspection for protocol-level diagnostics

MU120111A Module

Expands protocol analysis and signal generation capabilities of the MD1230A base unit

Supported protocols: Ethernet, IP, TCP, UDP, and application-layer protocols

Protocol support determined by firmware configuration and installed options

Options 03 and 47

- Option 03:** Hardware or software enhancements for expanded protocol support, enhanced triggering, and increased measurement depth
- Option 47:** Specialized testing enhancements for advanced error analysis and emerging network technologies

Key Features

- Modular architecture enables flexible configuration and protocol expansion
- Real-time analysis capabilities for dynamic traffic assessment
- High-accuracy measurement precision in network traffic parameter capture
- Deep inspection and analysis for identifying performance degradations and protocol non-compliance

Typical Applications

- communication systems testing
- Network infrastructure validation
- Protocol conformance testing
- Quality of service (QoS) measurement and analysis
- Enterprise network procurement and validation

Compatibility & Integration

The MD1230A integrates MU120111A modules with configurable options to support protocol-specific testing requirements. System functionality and supported data rates scale with module selection and option configuration.

Features & description

From manufacturer datasheet

Features

- Modular chassis with up to 5 interface module slots

Applications

- RFC2544 automated throughput, latency, and frame loss testing

MD1230A Characteristics / Specifications

PARAMETER	VALUE
Model	MD1230A
Manufacturer	Anritsu
Instrument Type	Data Quality Analyzer
Alias	MD1230A; Anritsu MD1230A
Operating system	Windows 98 Second Edition
Display	8.4 inch TFT LCD SVGA 800 × 600
Module slots	up to 5 interface modules
Chassis networking	up to 8 units via Ethernet with one controller
Max expanded ports with 10/100 modules	up to 320
Ten hundred Ethernet module ports	8 ports per module
Gigabit Ethernet module ports	2 ports per module
Ten Gigabit interface	XENPAK based modules
Supported interfaces class	100BASE TX, Gigabit Ethernet, 10 Gigabit Ethernet, OC 3/12 POS, 2.5G POS/EOS, 10G POS
Auto test suite	RFC2544 throughput, latency, frame loss, back to back, system recovery, reset
Frame length Ethernet class	18 bytes to 10000 bytes
Streams per port	up to 256
Traffic monitor flows	Ethernet or IP up to 64 flows
Traffic map flows	Ethernet or IP up to 64 flows
QoS priority levels	8 levels IEEE802.1D / DSCP
BGP4 speakers emulated	up to 8
BGP4 routes advertised per speaker class	up to 100
Built in memory conditions	10 sets
Built in memory results	10 sets

PARAMETER	VALUE
External storage	3.5 inch FDD
Remote interfaces	RS 232C, GPIB Option 02, Ethernet 10BASE T/100BASE TX, USB x2, PS/2 keyboard, VGA
GPS antenna option	Option 05 remote latency
Decode module option	MD1230A 04
Expert analysis option	MX1230002A
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
Power frequency	47.5 to 63 Hz
Power consumption	less than or equal to 530 VA
Operating temperature	0 to +40 C
Replacement model	MD1230B Notes Specs from Anritsu MD1230A Data Quality Analyzer datasheet and OEM product pages. Confirm installed interface modules, options (01/02/03/04/05), firmware, and that XENPAK/GBIC optics match the required rates.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to +40 C
Operating Temperature	0 to +40 C
Replacement model	MD1230B Notes Specs from Anritsu MD1230A Data Quality Analyzer datasheet and OEM product pages. Confirm installed interface modules, options (01/02/03/04/05), firmware, and that XENPAK/GBIC optics match the required rates.

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 router/switch performance testing with multi-interface traffic monitoring on a Windows 98 platform with an 8.4 inch TFT display. Up to five interface modules can be installed simultaneously for 10/100M, Gigabit, 10 Gigabit Ethernet, and POS/EOS rates.

Applications

- RFC2544 automated throughput, latency, and frame loss testing
- Router and switch production and QA performance testing
- Field troubleshooting of Ethernet and POS networks
- In-service traffic monitoring and capture to 10 Gbit/s
- QoS, VLAN, MPLS, IPv6, and BGP4 validation
- APS switching time measurement on SONET/SDH

Key Features

- Modular chassis with up to 5 interface module slots
- Simultaneous multi-rate Ethernet and POS/EOS support
- RFC2544 auto tests with graphic and table results
- Full wire rate stream generation up to 256 streams per port
- Real time traffic monitor and traffic map for up to 64 flows
- Protocol decode Layer 2 to Layer 4; optional Sniffer expert analysis
- Daisy chain sync of up to 8 chassis; GPS remote latency Option 05
- GPIB Option 02, RS-232C Option 01, Ethernet Option 03 automation

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	MD1230A
Manufacturer	Anritsu
Instrument Type	Data Quality Analyzer

Specifications

PARAMETER	VALUE
Alias	MD1230A; Anritsu MD1230A
Operating system	Windows 98 Second Edition
Display	8.4 inch TFT LCD SVGA 800 x 600

Specifications

PARAMETER	VALUE
Module slots	up to 5 interface modules

PARAMETER	VALUE
Chassis networking	up to 8 units via Ethernet with one controller
Max expanded ports with 10/100 modules	up to 320

Specifications

PARAMETER	VALUE
Ten hundred Ethernet module ports	8 ports per module
Gigabit Ethernet module ports	2 ports per module
Ten Gigabit interface	XENPAK based modules

Specifications

PARAMETER	VALUE
Supported interfaces class	100BASE TX, Gigabit Ethernet, 10 Gigabit Ethernet, OC 3/12 POS, 2.5G POS/EOS, 10G POS
Auto test suite	RFC2544 throughput, latency, frame loss, back to back, system recovery, reset
Frame length Ethernet class	18 bytes to 10000 bytes

Specifications

PARAMETER	VALUE
Streams per port	up to 256
Traffic monitor flows	Ethernet or IP up to 64 flows
Traffic map flows	Ethernet or IP up to 64 flows

Specifications

PARAMETER	VALUE
QoS priority levels	8 levels IEEE802.1D / DSCP
BGP4 speakers emulated	up to 8
BGP4 routes advertised per speaker class	up to 100

Specifications

PARAMETER	VALUE
Built in memory conditions	10 sets
Built in memory results	10 sets
External storage	3.5 inch FDD

Specifications

PARAMETER	VALUE
Remote interfaces	RS 232C, GPIB Option 02, Ethernet 10BASE T/100BASE TX, USB x2, PS/2 keyboard, VGA
GPS antenna option	Option 05 remote latency
Decode module option	MD1230A 04

Specifications

PARAMETER	VALUE
Expert analysis option	MX1230002A
DimensionsWxHxD	320 mm x 177 mm x 350 mm
Mass	less than or equal to 15 kg excluding options and modules

Specifications

PARAMETER	VALUE
Power supply	85 to 132 Vac / 170 to 250 Vac auto switching
Power frequency	47.5 to 63 Hz
Power consumption	less than or equal to 530 VA

Operating temperature: 0 to +40 C

Replacement model: MD1230B

Notes

Specs from Anritsu MD1230A Data Quality Analyzer datasheet and OEM product pages. Confirm installed interface modules, options (01/02/03/04/05), firmware, and that XENPAK/GBIC optics match the required rates.

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 ·
30-day returns
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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.