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Data Sheet
August 13, 2026

ANRITSU

Anritsu MP1570A1 Including Modules and options listed in descriptions of Unit

Anritsu MP1570A1 SONET/SDH/PDH/ATM Analyzer The Anritsu MP1570A1 isamodular SONET/SDH/PDH/ATM analyzer scalable from 1.5 Mbit/s to 10 Gbit/s inasingle mainframe with seven plug-in slots. It supports Bellcore and ITU-T mappings including SONET OC-1/3/12/48/192 and SDH STM-0/1/4/16/64, concatenation to STS-192c/STM-64c, ATM, jitter/wander, APS, and CID testing. Compared with MP1570A it adds one slot so OC-48 and higher North American and European mapping can run without swapping DSn/PDH plug-ins. Built-in printer and 3.5 inch floppy are standard. The Anritsu MP1570A1 isamodular SONET/SDH/PDH/ATM analyzer scalable from 1.5 Mbit/s to 10 Gbit/s inasingle mainframe with seven plug-in slots. It supports Bellcore and ITU-T mappings including SONET OC-1/3/12/48/192 and SDH STM-0/1/4/16/64, concatenation to STS-192c/STM-64c, ATM, jitter/wander, APS, and CID testing. Compared with MP1570A it adds one slot so OC-48 and higher North American and European mapping can run without swapping DSn/PDH plug-ins. Built-in printer and 3.5 inch floppy are standard.

MODEL Anritsu MP1570A1	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU MP1570A1	LISTING https://aumictechlabs.com/products/mp1570a1-2/

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This unit

The Anritsu MP1570A1 is a modular multi-rate analyzer for development, manufacturing, installation, and maintenance testing of SONET, SDH, PDH, and ATM networks. It delivers bit error, jitter, and delay analysis across a single mainframe supporting 1.5 Mbps to 10 Gbps, with six configurable slots for plug-in modules. The platform eliminates the need for multiple instruments while maintaining ITU-T and Bellcore compliance for comprehensive telecommunications infrastructure validation.Technical Specifications Bit rate range: 1.5 Mbps to 10 Gbps Modular architecture with six slots for plug-in units Supports SONET, SDH, and Japanese (384k) mapping in single mainframe Error analysis per G.821, M.2100, G.826, M.2101, M.2110, M.2120 Jitter and wander measurements to 2.5 Gb/s; 2.5G/10G support via MP1580A Wander generation per ITU-T G.823, G.824, G.825 and Bellcore 253, 499 Optical wavelength support at 1550 nm (MU150001A 10G Tx) and 1310 nm (MU150008A 2.5G)Key Features Concatenation mapping from OC-3c/STM-1c to OC-192c/STM-64c Through Mode and Mixed Payload processing ATM testing from OC-12c to 1.5 Mb/s APS Switch Time Measurement and CID pattern generation BERT and Trouble Search Function Tandem Connection Monitoring with optical power and frequency measurement Frame Memory/Capture capability Packet over SONET/SDH (POS) real-time packet counting IP over ATM (IPOA) real-time ATM/AAL5 error and alarm measurement DWDM testing with external OCDU (MN9320A) Built-in printer and 3.5-inch floppy disk driveTypical Applications SONET/SDH chipset and system validation PDH network testing and troubleshooting ATM network performance analysis Jitter characterization and wander compliance Optical network diagnostics Multi-service payload testingCompatibility & Integration Supported plug-in units include MP0121A (2/8/34/139/156M), MP0122A (1.5/45/52M), MU150000A (2.5G/10G), MU150001A (Optical 10G Tx 1550nm), and MU150002A (Optical 10G Rx). Conforms to ITU-T recommendations and Bellcore standards.

Features & description

From manufacturer datasheet

Features

- Bit rates 1.5 Mbit/s to 10 Gbit/s in one mainframe

Applications

- SONET/SDH network element R&D and manufacturing test

MP1570A1 Characteristics / Specifications

PARAMETER	VALUE
Model	MP1570A1
Manufacturer	Anritsu
Instrument Type	SONET/SDH/PDH/ATM Analyzer Mainframe
Alias	MP1570A1; Anritsu MP1570A1
Bit rate span	1.5 Mbit/s to 10 Gbit/s
Plug in slots	7
SONET rates supported	OC-1/3/12/48/192
SDH rates supported	STM-0/1/4/16/64
PDH rates ITU G.703 class	2, 8, 34, 139, 1.5, and 45 Mbit/s
Optical rates G.703 G.958 class	52, 156, 622, 2488, and 9953 Mbit/s
Concatenation mapping	STS-3c to STS-192c / STM-1c to STM-64c
Frame memory capture option	up to 64 frames (up to 26 frames at 10 Gbit/s)
Internal clock accuracy without jitter unit	±3.5 ppm
Built in printer	yes
Floppy disk drive	3.5 inch standard
Remote Option	Ethernet
Video Option	VGA output
Mapping Option	SONET
Japan mapping Option	requires MP0122A/B
DimensionsWxHxD	320 mm x 222 mm x 350 mm
Mass excluding plug ins	approximately 12 kg
Error performance standards	ITU-T G.821, M.2100, G.826, M.2101, M.2110, M.2120
APS switching time test	yes per ITU-T G.783/G.841 class
Optical power measurement	absolute and relative with optical plug-ins
Frequency measurement	received frequency with graph display

PARAMETER	VALUE
Through modes	Transparent, Overhead/Overwrite, Payload/Overwrite
Primary use	modular SONET/SDH/PDH/ATM analysis to 10 Gbit/s
Related mainframe	MP1570A (six slot predecessor class)
High speed electrical unit example	MU150000A 2.5G/10G
Wander software example	MX150001B Notes Specs from Anritsu MP1570A1 SONET datasheet (1.5 Mbit/s–10 Gbit/s; 7 slots; OC/STM rates; options 01–15 class; 320×222×350 mm; ~12 kg). Confirm installed plug-ins, SONET vs SDH option, and remote board combination on the unit.

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

PARAMETER	VALUE
Model	MP1570A1
Manufacturer	Anritsu
Instrument Type	SONET/SDH/PDH/ATM Analyzer Mainframe

Specifications

PARAMETER	VALUE
Alias	MP1570A1; Anritsu MP1570A1
Bit rate span	1.5 Mbit/s to 10 Gbit/s
Plug in slots	7

Specifications

PARAMETER	VALUE
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SDH rates supported	STM-0/1/4/16/64
PDH rates ITU G.703 class	2, 8, 34, 139, 1.5, and 45 Mbit/s

Specifications

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Optical rates G.703 G.958 class	52, 156, 622, 2488, and 9953 Mbit/s
Concatenation mapping	STS-3c to STS-192c / STM-1c to STM-64c
Frame memory capture option	up to 64 frames (up to 26 frames at 10 Gbit/s)

Specifications

PARAMETER	VALUE
Internal clock accuracy without jitter unit	±3.5 ppm
Built in printer	yes
Floppy disk drive	3.5 inch standard

Specifications

PARAMETER	VALUE
Remote Option 01	RS-232C
Remote Option 02	GPIB
Remote Option 03	Ethernet

Specifications

PARAMETER	VALUE
Video Option 04	VGA output
Mapping Option 10	SDH
Mapping Option 11	SONET

Specifications

PARAMETER	VALUE
Japan mapping Option 09	requires MP0122A/B
DimensionsWxHxD	320 mm x 222 mm x 350 mm
Mass excluding plug ins	approximately 12 kg

Specifications

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Error performance standards	ITU-T G.821, M.2100, G.826, M.2101, M.2110, M.2120
APS switching time test	yes per ITU-T G.783/G.841 class
Optical power measurement	absolute and relative with optical plug-ins

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Frequency measurement	received frequency with graph display
Through modes	Transparent, Overhead/Overwrite, Payload/Overwrite
Primary use	modular SONET/SDH/PDH/ATM analysis to 10 Gbit/s

Specifications

PARAMETER	VALUE
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Wander software example	MX150001B

Notes

Specs from Anritsu MP1570A1 SONET datasheet (1.5 Mbit/s–10 Gbit/s; 7 slots; OC/STM rates; options 01–15 class; 320×222×350 mm; ~12 kg). Confirm installed plug-ins, SONET vs SDH option, and remote board combination on the unit.

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

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