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Data Sheet

August 13, 2026

ANRITSU

Anritsu MP1570A options 02,10,11,13 W MP0121A AND MU150009A

Anritsu MP1570A options 02,10,11,13 W MP0121A AND MU150009A, Ideal for SDH, PDH, and ATM testing, with enhanced signal processing and modular expandability.


MODEL

Anritsu MP1570A /
MP0121A /
MU150009A

CALIBRATION

Available on
request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP1570A /
MP0121A /
MU150009A

LISTING

[https://aumictechlabs.c
om/products/mp1570a-
mp0121a-mu150009a-
2/](https://aumictechlabs.com/products/mp1570a-mp0121a-mu150009a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MP1570A with options 02, 10, 11, and 13, paired with the MP0121A electrical PDH/SDH module and MU150009A 2.5G optical unit, delivers integrated testing across SDH, SONET, PDH, and ATM networks. This modular platform supports bit rates from 1.5 Mbit/s to 10 Gbit/s and scales across six plug-in slots to accommodate development, manufacturing, installation, maintenance, and field inspection workflows. Technical Specifications Mainframe & Bit Rate Coverage Supported range: 1.5 Mbit/s to 10 Gbit/s Six modular slots for plug-in units Standards compliance: ITU-T G.703 (2, 8, 34, 139, 1.5, 45 Mbit/s) and G.958 (52, 156, 622, 2,488, 9,953 Mbit/s) MP0121A Electrical PDH/SDH Module Data rates: 2 Mbit/s (CEPT2), 8 Mbit/s (CEPT8), 34 Mbit/s (CEPT34), 139 Mbit/s (CEPT139), 156 Mbit/s Pattern support: WORD patterns (All 0s, All 1s) and 16-bit programmable patterns Operating modes: Single, Repeat, Manual MU150009A 2.5G

Optical Unit Bit rate: 2488.32 Mbit/s (NRZ) Wavelength: 1550 nm Transceiver: Tx/Rx module

Key Features Error analysis conforming to ITU-T Rec. G.821, M.2100, G.826, M.2101, M.2110, M.2120 Errored Block (EB), Errored Seconds (ES), Severely Errored Blocks (SEB), and Background Block Error (BBE) measurements Jitter and wander testing per ITU-T O.171/O.172; jitter tolerance and transfer characteristics per G.823/G.824/G.825/G.958 and Bellcore 253/499 Concatenation mapping support (VC4 to VC4-64c/OC-192c/STM-64c), tandem connection, and core router interface testing Through modes: transparent, overhead/over-write, payload/over-write, add/drop

Optical power measurement (absolute and relative) when optical interface plug-in installed Built-in printer and 3.5-inch floppy disk drive for data archival and PC readability In-service error, alarm, and error performance monitoring

Typical Applications Equipment and network development, manufacturing verification, field installation, maintenance operations, and infrastructure inspection across multi-protocol telecommunications systems.

Compatibility & Integration The MP0121A module is compatible with Anritsu MP1570A, MP1552B, and MP1555B mainframes. The MU150009A 2.5G unit integrates into the MP1570A platform for STM-16/OC-48 optical signal analysis.

Features & description

From manufacturer datasheet

Features

• MP1570A six slot modular mainframe • Bit rates 1.5 Mbit/s to 10 Gbit/s scalable • MP0121A PDH/SDH 2/8/34/139/156M interfaces • MU150009A 2.5G optical/electrical unit • ITU-T G.703/G.958 rate conformance class • Built in printer and floppy on mainframe class • Optional RS-232, GPIB, Ethernet, VGA • ATM and jitter/wander with additional units

Applications

• PDH/SDH European rate testing with MP0121A • 2.5 Gbit/s STM-16/OC-48 testing with MU150009A • SONET/SDH network element manufacturing test • ATM cell and jitter/wander option workflows • Installation and maintenance of optical transport • Concatenated payload and APS switching time tests

MP1570AMP0121AMU150009A Characteristics / Specifications

PARAMETER	VALUE
Model	MP1570A
Manufacturer	Anritsu
Instrument Type	SONET/SDH/PDH/ATM Analyzer Mainframe Combo
Alias	MP1570A; MP0121A; MU150009A
Included PDH unit	MP0121A 2/8/34/139/156M
Included 2.5G unit	MU150009A
Bit rate span mainframe	1.5 Mbit/s to 10 Gbit/s
Plug in slots mainframe	6
MP0121A bit rates	2.048, 8.448, 34.368, 139.264 Mbit/s
MP0121A level waveform	conforms to ITU-T G.703 with 20 dB monitoring point
MP0121A connectors unbalanced	BNC 75 ohm
MP0121A connectors balanced	3 pin Siemens 120 ohm
MP0121A coding 2.048 Mbit/s	HDB3 balanced/unbalanced
MP0121A coding 8.448 and 34.368 Mbit/s	HDB3 unbalanced
MP0121A coding 139.264 Mbit/s	CMI unbalanced
MU150009A rate class	2.5 Gbit/s STM-16/OC-48
MU150009A laser class	Class 1 and Class IIIb module warnings per manual
Frame memory capture option class	up to 64 frames at 2.5G with MU150009A-01
Internal clock accuracy without jitter unit	plus or minus 3.5 ppm
Payload offset	plus or minus 100 ppm in 0.1 ppm steps
Error performance standards	ITU-T G.821, M.2100, G.826, M.2101 class
Dimensions mainframeWxHxD	320 mm x 222 mm x 350 mm class
Mass mainframe excluding plug ins	approximately 12 kg
Remote Option	Ethernet
Mapping Option	SONET

PARAMETER	VALUE
Primary use	modular SONET/SDH/PDH analysis with PDH and 2.5G units
Related seven slot mainframe	MP1570A1
Related STM16 portable	MP1656A
Optical power measurement	absolute and relative with optical plug-ins Notes Specs from Anritsu MP1570A SONET/SDH datasheets for mainframe, MP0121A, and MU150009A. Confirm installed slot population, optical wavelength options on MU150009A, and SONET vs SDH mapping options 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	MP1570A
Manufacturer	Anritsu
Instrument Type	SONET/SDH/PDH/ATM Analyzer Mainframe Combo
Alias	MP1570A; MP0121A; MU150009A
Included PDH unit	MP0121A 2/8/34/139/156M
Included 2.5G unit	MU150009A
Bit rate span mainframe	1.5 Mbit/s to 10 Gbit/s
Plug in slots mainframe	6
MP0121A bit rates	2.048, 8.448, 34.368, 139.264 Mbit/s
MP0121A level waveform	conforms to ITU-T G.703 with 20 dB monitoring point
MP0121A connectors unbalanced	BNC 75 ohm
MP0121A connectors balanced	3 pin Siemens 120 ohm
MP0121A coding 2.048 Mbit/s	HDB3 balanced/unbalanced
MP0121A coding 8.448 and 34.368 Mbit/s	HDB3 unbalanced
MP0121A coding 139.264 Mbit/s	CMI unbalanced
MU150009A rate class	2.5 Gbit/s STM-16/OC-48
MU150009A laser class	Class 1 and Class IIIB module warnings per manual
Frame memory capture option class	up to 64 frames at 2.5G with MU150009A-01
Internal clock accuracy without jitter unit	plus or minus 3.5 ppm
Payload offset	plus or minus 100 ppm in 0.1 ppm steps
Error performance standards	ITU-T G.821, M.2100, G.826, M.2101 class
Dimensions mainframeWxHxD	320 mm x 222 mm x 350 mm class
Mass mainframe excluding plug ins	approximately 12 kg
Remote Option 01	RS-232C
Remote Option 02	GPIB

PARAMETER	VALUE
Remote Option 03	Ethernet
Mapping Option 10	SDH
Mapping Option 11	SONET
Primary use	modular SONET/SDH/PDH analysis with PDH and 2.5G units
Related seven slot mainframe	MP1570A1
Related STM16 portable	MP1656A
Optical power measurement	absolute and relative with optical plug-ins

Notes

Specs from Anritsu MP1570A SONET/SDH datasheets for mainframe, MP0121A, and MU150009A. Confirm installed slot population, optical wavelength options on MU150009A, and SONET vs SDH mapping options 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

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.