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Data Sheet

August 14, 2026

ANRITSU

Anritsu MP0122A Error/Jitter Analyzer

The Anritsu MP0122A is the North-American DS_n/STS-1 electrical plug-in for the MP1570A. OEM tables list 1.544 and 44.736 Mbit/s, ANSI T1.102 levels with 20 dB monitor points, AMI/B8ZS and B3ZS coding, plus or minus 7 ppm internal clock, and built-in 52M B3ZS electrical interface. DS₁/DS₃/STS-1 BER, M13/C-bit framing, and DS_n error performance in MP1570A systems. DS₁ Level: ANSI T1.102 with 20 dB monitoring point 0/655 ft DS₃ Level: ANSI T1.102 with 20 dB monitoring point 0/450/900 ft Built In Sts1: 52M B3ZS electrical interface Leds: LOS LOF AIS RDI sync loss errorsXBit Setting: 00 01 10 11 Auxiliary Outputs: clock sync frame sync error output From Anritsu MP1570A MP0122A/B specification tables (MP0122A electrical column). MP0122B adds 52M optical 1310 nm.



MODEL

Anritsu MP0122A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP0122A

LISTING

<https://aumictechlabs.com/products/mp0122a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MP0122A is a PDH Electrical Interface Module designed for integration with Anritsu network analysis platforms such as the MP1552B, MP1555B, and MP1570A. This module is specifically engineered to generate North American electrical signals within the range of 1.544 Mbps to 45 Mbps, making it suitable for testing and analysis of various telecommunications interfaces. It functions as a component within these larger systems, enabling precise measurements and signal generation for network testing scenarios. Technical Specifications *

Product Type: PDH Electrical Interface Module Compatibility: Designed for Anritsu MP1552B, MP1555B, and MP1570A units. Functionality: Generates North American electrical signals. Signal Generation Range: 1.544 Mbps to 45 Mbps. Interface Type: Electrical interface for PDH (Plesiochronous Digital Hierarchy) signals. Application: Network analysis, telecommunications testing, signal generation for SONET (Synchronous Optical Networking) electrical interfaces. Module Slot: Installs in slot number 2 of compatible Anritsu units. Electrical and Interface Specifications * Supported Bit Rates: 1.544 Mbps, 45 Mbps. Additionally, it supports 52 Mbps in some configurations or related modules. Signal Type: North American electrical signals. Conformance: The broader Anritsu MP1570A platform with which the MP0122A integrates conforms to ITU-T Recommendations G.703 (for 2, 8, 34, 139, 1.5, and 45 Mbps) and G.703 and G.958 (for 52, 156, 622, 2488, and 9953 Mbps). Physical Specifications * Form Factor: Module designed to be installed in a slot within a larger Anritsu testing instrument. Compatibility * Primary Host Units: Anritsu MP1552B, Anritsu MP1555B, Anritsu MP1570A. Supported Standards: Primarily for testing North American PDH electrical signals and SONET electrical interfaces. Why Choose Aumictech for Anritsu MP0122A? At Aumictech, we specialize in supplying high-end network testing equipment. Whether you need to generate precise North American electrical signals for PDH interfaces, ensure accurate SONET electrical testing, or require solid solutions for telecommunications infrastructure analysis, our team ensures the Anritsu MP0122A delivers maximum performance for your application.

MP0122A Characteristics / Specifications

PARAMETER	VALUE
Bit Rates	1.544 and 44.736 Mbit/s
Ds1 Level	ANSI T1.102 with 20 dB monitoring point 0/655 ft
Ds3 Level	ANSI T1.102 with 20 dB monitoring point 0/450/900 ft
Ds1 Coding	AMI/B8ZS balanced
Ds3 Coding	B3ZS unbalanced
Connectors	BNC 75 ohm unbalanced and Bantam 100 ohm balanced
Internal Clock Accuracy	plus or minus 7 ppm jitter unit not installed
External Clock	ECL AC 50 ohm or received signal
Unframed Rates	1.5 and 45 Mbit/s
Ds1 Framing	D4 ESF Japan ESF with option 09
Ds3 Framing	M13 C-bit MUX/DEMUX option 07
Test Patterns	PRBS 2 ¹¹ -1 2 ¹⁵ -1 2 ²⁰ -1 zero suppress 2 ²⁰ -1 2 ²³ -1 O.151
Word Pattern	16 bit programmable all 0 all 1 3 in 24 at 1.5 Mbit/s
Error Addition Rates	single and 1E-3 to 1E-7
Alarms	LOS LOF AIS RDI
Error Performance	G.821 including AnnexDM.2100 G.826
Delay Measurement	0 to 1 s
Built In Sts	52M B3ZS electrical interface
Host Mainframe	MP1570A
Leds	LOS LOF AIS RDI sync loss errorsXBit Setting: 00 01 10 11
Auxiliary Outputs	clock sync frame sync error output
Form Factor	MP1570A plug in unit

MP0122A Specifications

PARAMETER	VALUE
Anritsu MP0122A 1.5/45/52M Unit	Overview
Applications	DS1/DS3/STS-1 BER, M13/C-bit framing, and DSn error performance in MP1570A systems.
Key Features	1.544 and 44.736 Mbit/s
D4 ESF Japan ESF with option 09	M13 and C-bit DS3
Technical Specifications	Bit Rates: 1.544 and 44.736 Mbit/s
Notes	From Anritsu MP1570A MP0122A/B specification tables (MP0122A electrical column). MP0122B adds 52M optical 1310 nm.

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 in MP1570A systems.	
Key Features	
1.544 and 44.736 Mbit/s	
D4 ESF Japan ESF with option 09	
M13 and C-bit DS3	
G.821 M.2100 G.826	
Bantam and BNC connectors	
Technical Specifications	
Technical Specifications	
PARAMETER	VALUE
Bit Rates	1.544 and 44.736 Mbit/s
Ds1 Level	ANSI T1.102 with 20 dB monitoring point 0/655 ft
Ds3 Level	ANSI T1.102 with 20 dB monitoring point 0/450/900 ft
Ds1 Coding	AMI/B8ZS balanced
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Connectors	BNC 75 ohm unbalanced and Bantam 100 ohm balanced
Internal Clock Accuracy	plus or minus 7 ppm jitter unit not installed
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Unframed Rates	1.5 and 45 Mbit/s
Ds1 Framing	D4 ESF Japan ESF with option 09
Ds3 Framing	M13 C-bit MUX/DEMUX option 07
Test Patterns	PRBS 2^11-1 2^15-1 2^20-1 zero suppress 2^20-1 2^23-1 0.151
Word Pattern	16 bit programmable all 0 all 1 3 in 24 at 1.5 Mbit/s
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Error Performance	G.821 including AnnexDM.2100 G.826
Delay Measurement	0 to 1 s
Built In Sts1	52M B3ZS electrical interface
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Auxiliary Outputs	clock sync frame sync error output
Form Factor	MP1570A plug in unit

Notes

From Anritsu MP1570A MP0122A/B specification tables (MP0122A electrical column). MP0122B adds 52M optical 1310 nm.

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.