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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANRITSU

Anritsu MP0113A Optical Unit

The Anritsu MP0113A is a dual-wavelength 1310/1550 nm optical 155.52/622.08 Mbit/s plug-in for the MP1570A. OEM module tables list Tx minus 11.5 dBm plus or minus 3.5 dB at 1310 nm and minus 5 dBm plus or minus 2 dB at 1550 nm, Rx sensitivity minus 33 to minus 8 dBm at 156M, and power-measurement accuracy plus or minus 1 dB at minus 20 dBm. STM-1/STM-4 and OC-3/OC-12 optical BER and power measurements in MP1570A systems. Tx Output 1310 nm: minus 11.5 dBm plus or minus 3.5 dB Tx Output 1550 nm: minus 5 dBm plus or minus 2 dB Error Addition: bit FAS B1 B2 and path BIP on host Operating Temperature Rx Spec: plus 10 to plus 40 C Jitter Companion: MU150005A/006A/007A jitter units Plug In Family: MP0111A 1310 only MP0112A 1550 only MP0113A dual



MODEL

Anritsu MP0113A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP0113A

LISTING

<https://aumictechlabs.com/products/mp0113a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MP0113A is an optical unit designed to expand the capabilities of compatible Anritsu network analyzers, specifically mentioning its use with the MP1570A mainframe. This module provides specialized measurement functions related to optical communications, supporting specific wavelengths and data rates. Technical Specifications * Model: MP0113A Type: Optical Unit Supported Wavelengths: 1.31 μ m and 1.55 μ m Supported Data Rates: 156 Mbps and 622 Mbps Compatibility: Designed for use with Anritsu network analyzers, including the MP1570A

mainframe. The MP1570A mainframe itself supports bit rates from 1.5 Mbps to 10 Gbps, with various plug-in units like the MP0113A enabling specific measurement capabilities within this range. Electrical * No specific electrical specifications were found in the provided search results. Interfaces * No specific interface details were found in the provided search results. Physical * No specific physical dimensions or weight information was found in the provided search results. Compatibility * Anritsu MP1570A Mainframe: The MP0113A is explicitly listed as a unit that can be used with the Anritsu MP1570A mainframe. Anritsu Network Analyzers: Generally designed to be a module for compatible Anritsu network analyzers. Software and Firmware * Anritsu provides firmware updates and software downloads for its instruments. Users can typically download files to a USB storage device and update the instrument software. Specific firmware or software directly for the MP0113A may be managed through the main analyzer's software or drivers. Why Choose Aumictech for Anritsu MP0113A? At Aumictech, we specialize in supplying high-end optical test and measurement equipment. Whether you need enhanced optical signal analysis, precise bit rate testing at 156/622 Mbps, or seamless integration with your Anritsu network analyzer, our team ensures the Anritsu MP0113A delivers maximum performance for your application.

MP0113A Characteristics / Specifications

PARAMETER	VALUE
Bit Rates	155.52 and 622.08 Mbit/s NRZ
Wavelengths	1310 nm and 1550 nm
Tx Output 1310 nm	minus 11.5 dBm plus or minus 3.5 dB
Tx Output 1550 nm	minus 5 dBm plus or minus 2 dB
Optical Safety	IEC 825-1 Class 1 and 21CFR1040.10 Class I Optical Connector: FC-PC SMF
Rx Sensitivity 156M	minus 33 to minus 8 dBm PRBS 2 ²³ -1 BER 1e-10 plus 10 to plus 40 C
Rx Sensitivity 622M	minus 28 to minus 8 dBm PRBS 2 ²³ -1 BER 1e-10 plus 10 to plus 40 C
Power Measure Range	minus 30 to 0 dBm peak power
Power Measure Accuracy	less than or equal to plus or minus 1 dB at minus 20 dBm
Power Measure Linearity	less than or equal to plus or minus 1 dB minus 30 to 0 dBm
Sts1 Optical Path	51.84 Mbit/s NRZ 1310 nm Tx minus 11.5 dBm plus or minus 3.5 dB
Host Mainframe	MP1570A
Host Clock Accuracy	plus or minus 3.5 ppm internal without jitter unit
Prbs Patterns	2 ¹¹ -1 2 ¹⁵ -1 2 ²⁰ -1 2 ²³ -1
Error Addition	bit FAS B1 B2 and path BIP on host
Form Factor	MP1570A plug in unit
Operating Temperature Rx Spec	plus 10 to plus 40 C
Remote Control	GPIB via mainframe
Mapping	SDH SONET concatenation on host
Jitter Companion	MU150005A/006A/007A jitter units
Plug In Family	MP0111A 1310 only MP0112A 1550 only MP0113A dual
Line Code	NRZ optical 156M/622M
Operating temperature	Rx Spec: plus 10 to plus 40 C

MP0113A Specifications

PARAMETER	VALUE
Anritsu MP0113A Optical 156M/622M Unit	Overview
Applications	STM-1/STM-4 and OC-3/OC-12 optical BER and power measurements in MP1570A systems.
Key Features	1310 and 1550 nm in one unit
Built in optical power measurement	IEC Class 1 laser safety
Technical Specifications	Bit Rates: 155.52 and 622.08 Mbit/s NRZ
Notes	From Anritsu MP1570A optical 156M/622M unit specification tables (MP0113A 1.31/1.55 column). MP0111A is 1310-only and MP0112A is 1550-only.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Rx Spec: plus 10 to plus 40 C
Operating Temperature	Rx Spec: plus 10 to plus 40 C
Operating Temperature Rx Spec	plus 10 to plus 40 C
Remote Control	GPIB via mainframe
Mapping	SDH SONET concatenation on host
Jitter Companion	MU150005A/006A/007A jitter units
Plug In Family	MP0111A 1310 only MP0112A 1550 only MP0113A dual
Line Code	NRZ optical 156M/622M Notes From Anritsu MP1570A optical 156M/622M unit specification tables (MP0113A 1.31/1.55 column). MP0111A is 1310-only and MP0112A is 1550-only.

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
Bit Rates	155.52 and 622.08 Mbit/s NRZ
Wavelengths	1310 nm and 1550 nm
Tx Output 1310 nm	minus 11.5 dBm plus or minus 3.5 dB
Tx Output 1550 nm	minus 5 dBm plus or minus 2 dB
Optical Safety	IEC 825-1 Class 1 and 21CFR1040.10 Class IOptical Connector: FC-PC SMF
Rx Sensitivity 156M	minus 33 to minus 8 dBm PRBS 2^23-1 BER 1e-10 plus 10 to plus 40 C
Rx Sensitivity 622M	minus 28 to minus 8 dBm PRBS 2^23-1 BER 1e-10 plus 10 to plus 40 C
Power Measure Range	minus 30 to 0 dBm peak power
Power Measure Accuracy	less than or equal to plus or minus 1 dB at minus 20 dBm
Power Measure Linearity	less than or equal to plus or minus 1 dB minus 30 to 0 dBm
Sts1 Optical Path	51.84 Mbit/s NRZ 1310 nm Tx minus 11.5 dBm plus or minus 3.5 dB
Host Mainframe	MP1570A
Host Clock Accuracy	plus or minus 3.5 ppm internal without jitter unit
Prbs Patterns	2^11-1 2^15-1 2^20-1 2^23-1
Error Addition	bit FAS B1 B2 and path BIP on host
Form Factor	MP1570A plug in unit
Operating Temperature Rx Spec	plus 10 to plus 40 C
Remote Control	GPIB via mainframe
Mapping	SDH SONET concatenation on host
Jitter Companion	MU150005A/006A/007A jitter units
Plug In Family	MP0111A 1310 only MP0112A 1550 only MP0113A dual
Line Code	NRZ optical 156M/622M
Notes	
From Anritsu MP1570A optical 156M/622M unit specification tables (MP0113A 1.31/1.55 column). MP0111A is 1310-only and MP0112A is 1550-only.	

Laser Safety

laser safety FC-PC SMF Technical Specifications Bit Rates: 155.52 and 622.08 Mbit/s NRZ Wavelengths: 1310 nm and 1550 nm Tx Output 1310 nm: minus 11.5 dBm plus or minus 3.5 dB Tx Output 1550 nm: minus 5 dBm plus or minus 2 dB Optical Safety: IEC 825-1 Class 1 and 21CFR1040.10 Class I Optical Connector: FC-PC SMF Rx Sensitivity 156M: minus 33 to minus 8 dBm PRBS 2²³-1 BER 1e-10 plus 10 to plus 40 C Rx Sensitiv

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.