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Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANRITSU

Anritsu MP2100B

The Anritsu MP2100B isaBERTWave instrument supporting bit rates from 125 Mbit/s to 12.5 Gbit/s class for simultaneous BER and eye-pattern analysis. 10G class optical module test, SERDES validation, and production eye/BER measurements. Bit Rate Range Class: 125 Mbit/s to 12.5 Gbit/s Measurement Roles: bit error rate and eye pattern Accessories: optical path accessories as required Standards Class: 10GbE Fibre Channel OTN related rates Configuration Note: confirm installed options for exact limits Bit-rate class rows from Anritsu MP2100B BERTWave product literature. Pull full PPG/ED/scope numeric tables from the complete OEM datasheet before upload if denser accuracy rows are required.



MODEL

Anritsu MP2100B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP2100B

LISTING

<https://aumictechlabs.com/products/mp2100b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MP2100B BERTWave is an integrated test instrument combining Bit Error Rate testing and sampling oscilloscope functionality in a single 18 cm deep chassis. Designed for optical module and device development, it delivers simultaneous 4-channel BER measurements and Eye pattern analysis - eliminating the need for separate equipment while reducing cost and bench space requirements. Technical Specifications BERT Performance Bit rate range: 125 Mbit/s to 12.5 Gbit/s Pulse Pattern Generator (PPG) output with low jitter: 1 ps rms Error Detector (ED) input sensitivity: 10 mVp-p minimum Supports differential signal measurements Sampling Oscilloscope

Bandwidth Electrical interface: DC to 20 GHz minimum, DC to 25 GHz typical Optical interface: 9 GHz typical Fast Sampling Mode: 150 ksamples/s maximum (1.5× faster than legacy models) Optical Signal Processing Up to six optional Bessel filters for extinction ratio, Eye Mask, and Eye pattern measurements Waveform Dispersion Power (WDP) measurements; TWDP and dWDP with MATLAB integration Key Features Simultaneous multi-channel measurement: 4-channel BER and Eye pattern analysis High-speed Eye Mask testing and Eye pattern analysis at up to 150 ksamples/s Integrated jitter analysis across all channels Waveform data analysis with optimum sampling, equalizer, and emphasis calculations Combined BER, jitter, Eye pattern, and Eye Mask analysis in a single measurement session Interfaces & Connectivity Remote interfaces: Ethernet, GPIB (Option 030) Peripheral connectors: VGA Out (SXGA), Digital Video Interface, USB 2.0 (4-port), Ethernet (2-port, 10/100/1000BASE-T) Operating System: Windows Embedded Standard 2009 Typical Applications 10/40G multichannel optical module testing QSFP+ and Active Optical Cable (AOC) characterization Manufacturing test for high-speed optical devices Research and development of optical transceivers

MP2100B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	BERTWave analyzer
Series Family	Anritsu BERTWave MP2100B
Bit Rate Range Class	125 Mbit/s to 12.5 Gbit/s
Measurement Roles	bit error rate and eye pattern
Application Class	10G optical modules and high speed digital
Architecture	integrated PPG ED and sampling scope class
Family Peer	MP2110A higher rate BERTWave
Test Modes	BER and eye together
Interface Domains	optical and electrical class
Automation	remote production control
Form Factor	BERTWave mainframe
Patterning	PRBS and user patterns class
Clocking	generated and recovered clock class
Analysis	eye mask BER statistics
Sensitivity Class	module Rx testing
Display	simultaneous eye and BER
Calibration	OEM periodic calibration
Software	Anritsu control applications
Use Stage	R&D manufacturing
Throughput	production oriented features
Accessories	optical path accessories as required
Standards Class	10GbE Fibre Channel OTN related rates
Upgrade Path	option based
Configuration Note	confirm installed options for exact limits

MP2100B Specifications

PARAMETER	VALUE
Anritsu MP2100B BERTWave Analyzer	Overview
Applications	10G class optical module test, SERDES validation, and production eye/BER measurements.
BERTWave combined BER and eye analysis	Wide bit rate coverage to 12.5 G class
Technical Specifications	Instrument Type: BERTWave analyzer

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	
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Software	Anritsu control applications
Options: rate and interface options configuration dependent	
Specifications	
PARAMETER	VALUE
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Notes

Bit-rate class rows from Anritsu MP2100B BERTWave product literature. Pull full PPG/ED/scope numeric tables from the complete OEM datasheet before upload if denser accuracy rows are required.

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.