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Data Sheet

August 13, 2026

ANRITSU

Anritsu MP1520B PDH Analyzer w options

The Anritsu MP1520B is a compact PDH error measuring instrument for 2, 8, 34, and 139 Mb/s digital transmission systems. It generates and receives framed and unframed pseudo-random patterns approximating line traffic, with ITU-T G.703 interface levels and error analysis per G.821, G.826, and M.2100. Optional Mux/Demux and jitter modules extend hierarchical and jitter tolerance testing for install, maintenance, and in-service monitoring. Maintenance use: installed system evaluation and in-service monitoring Bipolar channel outputs option: Option 03 Product class: PDH transmission analyzer / BER tester Specs from Anritsu MP1520B product literature and reseller OEM descriptions for PDH 2/8/34/139 Mb/s analysis. Confirm installed options (01/02/03/04/06), exact connector kit, and firmware on the unit. Detailed jitter masks and electrical interface tables belong on the OEM datasheet/operation manual.



MODEL

Anritsu MP1520B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP1520B

LISTING

<https://aumictechlabs.com/products/mp1520b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MP1520B is a PDH analyzer engineered for precise measurement and analysis of Plesiochronous Digital Hierarchy signals in operational and laboratory environments. The instrument generates and receives pseudo-random patterns with or without frames to simulate line traffic, enabling system evaluation, maintenance procedures, and in-service monitoring across PDH networks. It delivers simultaneous error and alarm measurements conforming to ITU-

T standards, with optional capabilities for multiplexing, jitter analysis, and remote control integration. Technical Specifications Supported data rates: 2, 8, 34, and 139 Mb/s PDH signals Input/output levels conform to ITU-T G.703 Pattern generation and reception with or without frame structure Error analysis per ITU-T G.821, G.826, and M.2100 Simultaneous error and alarm measurement capability Internal measurement recording with graphic display visualization Key Features Pseudo-random pattern generation approximating line traffic signals Built-in printer for immediate result documentation Intuitive user interface with simple configuration settings Compact, lightweight design for portable field deployment Optional Capabilities Frequency offset measurements (Option 01) $N \times 64$ kb/s multiplexing/demultiplexing and hierarchical measurements (Option 02) Channel bipolar output configuration (Option 03) GPIB interface for remote control and automated data transfer (Option 04) Jitter generation and measurement including tolerance, output, and transfer analysis (Option 06) Typical Applications PDH signal analysis and troubleshooting System installation verification and commissioning Maintenance and performance monitoring of operational networks Error performance evaluation across multiple hierarchical levels Compatibility & Integration The MP1520B conforms to ITU-T G.703 for all input/output specifications and supports error performance analysis standards ITU-T G.821, G.826, and M.2100. GPIB remote control capability enables integration into automated test environments and data acquisition systems.

Features & description

From manufacturer datasheet

Features

- Bit rates 2, 8, 34, and 139 Mb/s

Applications

- PDH system evaluation at 2/8/34/139 Mb/s

MP1520B Characteristics / Specifications

PARAMETER	VALUE
Model	MP1520B
Manufacturer	Anritsu
Instrument Type	PDH Analyzer / Error Measuring Instrument
Alias	MP1520B; Anritsu MP1520B
Bit rate hierarchy	139 Mb/s
Interface level standard	ITU-T G.703
Pattern modes	framed and unframed PRBS approximating line traffic
Error analysis standard	ITU-T M.2100
Measurement recording	internal memory
Built in printer	yes
Graphic display	yes
Simultaneous measurements	error and alarm functions
Mux Demux hierarchy option	N x 64 kb/s and cross hierarchy measurements
Jitter option measures	jitter tolerance, output jitter, jitter transfer
Primary use cases	system testing, evaluation, troubleshooting
Maintenance use	installed system evaluation and in-service monitoring
Form factor	compact and lightweight
Remote control option	GPIOB Option 04
Frequency offset option	Option 01
Bipolar channel outputs option	Option 03
Product class	PDH transmission analyzer / BER tester Notes Specs from Anritsu MP1520B product literature and reseller OEM descriptions for PDH 2/8/34/139 Mb/s analysis. Confirm installed options (01/02/03/04/06), exact connector kit, and firmware on the unit. Detailed jitter masks and electrical interface tables belong on the OEM datasheet/operation manual.

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	MP1520B
Manufacturer	Anritsu
Instrument Type	PDH Analyzer / Error Measuring Instrument
Specifications	
PARAMETER	VALUE
Alias	MP1520B; Anritsu MP1520B
Bit rate hierarchy 1	2 Mb/s
Bit rate hierarchy 2	8 Mb/s
Specifications	
PARAMETER	VALUE
Bit rate hierarchy 3	34 Mb/s
Bit rate hierarchy 4	139 Mb/s
Interface level standard	ITU-T G.703
Specifications	
PARAMETER	VALUE
Pattern modes	framed and unframed PRBS approximating line traffic
Error analysis standard 1	ITU-T G.821
Error analysis standard 2	ITU-T G.826
Specifications	
PARAMETER	VALUE
Error analysis standard 3	ITU-T M.2100
Measurement recording	internal memory
Built in printer	yes

Graphic display: yes

Simultaneous measurements: error and alarm functions

Option 01: Frequency Offset

Option 02: Mux/Demux

Option 03: CH Bipolar Outputs

Option 04: GPIB Interface

Option 06: Jitter Generation/Measurement

Specifications

PARAMETER	VALUE
Mux Demux hierarchy option	N x 64 kb/s and cross hierarchy measurements
Jitter option measures	jitter tolerance, output jitter, jitter transfer
Primary use cases	system testing, evaluation, troubleshooting

Specifications

PARAMETER	VALUE
Maintenance use	installed system evaluation and in-service monitoring
Form factor	compact and lightweight
Remote control option	GPIB Option 04

Specifications

PARAMETER	VALUE
Frequency offset option	Option 01
Bipolar channel outputs option	Option 03
Product class	PDH transmission analyzer / BER tester

Notes

Specs from Anritsu MP1520B product literature and reseller OEM descriptions for PDH 2/8/34/139 Mb/s analysis. Confirm installed options (01/02/03/04/06), exact connector kit, and firmware on the unit. Detailed jitter masks and electrical interface tables belong on the OEM datasheet/operation manual.

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.