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Data Sheet

August 13, 2026

ANRITSU

Anritsu MP1630B 200M Bit Error Rate Analyzer

Anritsu MP1630B Digital Data Analyzer / BERT The Anritsu MP1630B is a general-purpose digital data analyzer and bit-error-rate tester covering 10 kHz to 200 MHz. It supports simultaneous multi-channel measurements and burst-signal BER for TDMA, packet/cell, PDH/SDH, and PON applications. Pulse pattern generator and error detector units can measure parallel data for up to 16 channels in one mainframe. The Anritsu MP1630B is a general-purpose digital data analyzer and bit-error-rate tester covering 10 kHz to 200 MHz. It supports simultaneous multi-channel measurements and burst-signal BER for TDMA, packet/cell, PDH/SDH, and PON applications. Pulse pattern generator and error detector units can measure parallel data for up to 16 channels in one mainframe.



MODEL Anritsu MP1630B	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU MP1630B	LISTING https://aumictechlabs.com/products/mp1630b-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MP1630B is a general-purpose bit error rate analyzer engineered for signal quality and integrity assessment across digital communication systems. It combines pulse pattern generation, error detection, and clock sourcing into a single integrated platform capable of simultaneous multi-channel measurements up to 200 Mbps. The instrument handles continuous signals in PDH/SDH systems alongside burst transmissions found in TDMA and packet/cell protocols, with support for up to 16 simultaneous channels and burst signals to 200

MHz. Technical Specifications Data Rate: 200.00 Mbps maximum Frequency Range: 10 kHz to 200 MHz Measurement Channels: Up to 16 simultaneous channels Pattern Depth (PRGM): 2 to 65,536 bits per channel, logic selectable Clock Source: Built-in synthesizer, 10 kHz to 200 MHz Display: 10.4" TFT color LCD with touch screen Interface: Microsoft Windows-based platform with optional GPIB board

Key Features Integrated 16-channel pulse pattern generator and error detector Pattern generation: PRBS, programmable, zero substitution, mixed (SONET/ATM), PON, and variable mark ratio Pattern editor supporting time, state, dump, and table modes Eye margin measurement with threshold and phase margin analysis at specified error rates, graphically displayed Delay measurement and ITU-T G.821 error performance conformance Auto search function for optimized measurement workflows Touch screen and rotary encoder operation with one-key/one-parameter control Customizable screen configurations

Typical Applications PDH/SDH continuous signal evaluation TDMA burst signal analysis Packet and cell transmission testing PON system characterization Digital communication system validation and troubleshooting

Compatibility & Integration Optional GPIB interface board enables remote control and integration into automated test environments.

Features & description

From manufacturer datasheet

Features

• Operating frequency 10 kHz to 200 MHz • Simultaneous bit error measurement of 16 channels • Continuous and burst data support • Mixed PRGM and PRBS pattern generation • Eye margin and eye diagram measurement modes • Built in high performance frequency synthesizer • Customized one-key/one-parameter screens • GPIB and Ethernet remote options

Applications

• Multi-channel BER production testing to 200 MHz • Continuous PDH/SDH and burst TDMA/PON measurements • Mixed PRGM/PRBS pattern generation for protocol evaluation • Eye margin and eye diagram quality measurements • Error correction evaluation with burst error insertion • ATE racks needing parallel 16-channel BERT capability

MP1630B Characteristics / Specifications

PARAMETER	VALUE
Model	MP1630B
Manufacturer	Anritsu
Instrument Type	Digital Data Analyzer / BERT
Alias	MP1630B; Anritsu MP1630B
Internal operating frequency	10 kHz to 200 MHz
Internal frequency accuracy	±2 ppm
Internal frequency resolution above 1 MHz	1 kHz steps
Internal frequency resolution 10 kHz to 1 MHz	100 Hz steps
External clock input frequency	10 kHz to 200 MHz
External clock input level	AC 0.5 to 2.0 Vp-p 50 ohm BNC
Channels simultaneous measurement	up to 16
Pattern types	PRGM, PRBS, mixed PRGM/PRBS
Error rate display range	0 x 10 ⁻¹⁶ to 1.0000 x 10 ⁰
Error count display range	0 to 9.9999 x 10 ¹⁶ class
Error free interval	0.0000 to 100.0000 percent
Output levels supported	ECL, PECL, TTL, LVTTTL, VAR
VAR amplitude high impedance	0.5 to 5 V in 10 mV steps
VAR amplitude 50 ohm	0.25 to 2.5 V in 5 mV steps
Clock delay range	-5 to +5 ns in 100 ps steps
Data skew range	-5 to +5 ns in 100 ps steps
Frequency measurement range	10 kHz to 200 MHz
Frequency measurement resolution	100 Hz
Eye margin measurement	threshold and phase margin vs BER
Remote Option	Ethernet interface board

PARAMETER	VALUE
Primary use	multi-channel BERT and digital data analysis to 200 MHz
Related units	200M 16CH PPG and ED units for MP1630B Notes Specs from Anritsu MP1630B Digital Data Analyzer datasheet/catalog. Confirm installed PPG/ED units, I/O level settings, and remote 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.

performance frequency synthesizer

- Customized one-key/one-parameter screens
- GPIB and Ethernet remote options

Technical Specifications

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Internal frequency resolution 10 kHz to 1 MHz: 100 Hz steps

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Frequency measurement range	10 kHz to 200 MHz

PARAMETER	VALUE
Frequency measurement resolution	100 Hz
Eye margin measurement	threshold and phase margin vs BER
Remote Option 01	GPIB interface board
Remote Option 02	Ethernet interface board
Primary use	multi-channel BERT and digital data analysis to 200 MHz
Related units	200M 16CH PPG and ED units for MP1630B

Notes

Specs from Anritsu MP1630B Digital Data Analyzer datasheet/catalog. Confirm installed PPG/ED units, I/O level settings, and remote 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.