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Data Sheet

August 13, 2026

ANRITSU

Anritsu MP1550A PDH/SDH Analyzer

The Anritsu MP1550A is a portable PDH/SDH analyzer (color display) for development, manufacturing, and field maintenance of PDH and SDH equipment. It supports section, path, and PDH analysis with plug-in interface units such as CMI and NRZ modules, and works with the MP1656A portable STM-16 analyzer for higher-rate STM-16 coverage. Companion monochrome display model is MP1550B. Carrying case large: B0397A holds MP1656A and MP1550A/B. Monitor capability with MP1656A: SOH, VC3/VC4 POH, VC1 POH, K1/K2, pointer, path trace. Error performance standards class: G.826 family with STM16 add on. Measurement domains: section, H path AU, L path TU, PDH.



MODEL

Anritsu MP1550A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP1550A

LISTING

<https://aumictechlabs.com/products/mp1550a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MP1550A PDH/SDH Analyzer is a compact, portable instrument for field and laboratory testing of Plesiochronous Digital Hierarchy (PDH) and Synchronous Digital Hierarchy (SDH) networks. It delivers simultaneous error and alarm measurements across multiple protocol layers, supporting bit error rate (BER) testing, jitter and wander analysis, pointer evaluation, and performance monitoring per G.821, M.2100, and G.828 standards. The instrument performs both in-service and out-of-service measurements with integrated troubleshooting functions. A large color LCD display provides real-time visibility, while built-in floppy disk storage enables data

archiving and firmware updates. An integrated printer generates immediate test records for field documentation and acceptance workflows.

Technical Specifications

Protocol Support: PDH and SDH networks

PDH Data Rates: 2.048 Mb/s, 8.448 Mb/s, 34.368 Mb/s, 139.264 Mb/s

SDH Data Rates: 155.520 Mb/s (STM-1), 622.080 Mb/s (STM-4)

Timing Accuracy: ± 1 ppm

Measurement Functions: Bit error rate, alarm detection and reporting, pointer analysis, jitter and wander, performance monitoring (G.821/M.2100/G.828 compliant), multi-layer simultaneous error and alarm capture, trouble search

Optical Interfaces: FC/PC connectors; wavelengths at 1310 nm and 1550 nm via plug-in modules (MP0109A, MP0110A, MP0111A, MP0112A, MP0113A)

Electrical Interfaces: BNC connectors (75 Ω) for PDH, 3-pin D-sub (120 Ω) for PDH, CMI interface at 156 Mb/s

Key Features

- Hand-carried form factor designed for portable field deployment
- Large color LCD with intuitive operator interface
- Optional interfaces: RS-232C, GPIB, MUX/DEMUX, transmit and receive jitter measurement, 2M wander analysis, built-in CMI 156 Mb/s
- Modular optical and electrical interface architecture

Typical Applications

- Pre-shipment equipment validation
- On-site network acceptance testing
- Routine maintenance and performance verification
- Production line quality assurance

Compatibility & Integration

The MP1550A mainframe requires at least one interface module (NZR or optical) to operate. Compatible plug-in modules include the MP0108A (NZR), MP0109A, MP0110A, MP0111A, MP0112A, and MP0113A (optical variants at 1310 nm and 1550 nm wavelengths).

Features & description

From manufacturer datasheet

Features

- Color display PDH/SDH analyzer mainframe
- Works with MP1656A for STM-16 layers
- Optional built in CMI 156M Option 10
- Plug in CMI unit MP0105A
- Plug in NRZ unit MP0108A
- Joint plate mounting with MP1656A
- Portable benchtop form for field and lab
- Error/alarm LED and OH monitor workflows

Applications

- PDH/SDH network element R&D and manufacturing
- Field installation and maintenance of SDH rings
- Section and path overhead monitoring
- Combined STM-16 testing with MP1656A
- Error performance and alarm verification

MP1550A Characteristics / Specifications

PARAMETER	VALUE
Model	MP1550A
Manufacturer	Anritsu
Instrument Type	PDH/SDH Analyzer
Alias	MP1550A; Anritsu MP1550A
Display type	color
Related monochrome model	MP1550B
Primary rates class	PDH and SDH section/path analysis
STM16 companion	MP1656A Portable STM-16 Analyzer
Built in CMI Option	156M CMI for MP1550A/B
CMI plug in unit	MP0105A
NRZ plug in unit	MP0108A 156/622M class
Joint plate accessory	B0408A
Carrying case large	B0397A holds MP1656A and MP1550A/B
Monitor capability with MP1656A	SOH, VC3/VC4 POH, VC1 POH, K1/K2, pointer, path trace
Error performance standards class	G.826 family with STM16 add on
Measurement domains	section, H path AU, L path TU, PDH
Form factor	portable PDH/SDH analyzer
Primary use	PDH/SDH analysis with optional STM-16 add on
Interface connectors class	electrical CMI/NRZ and optical via add on
Remote readiness class	production and field test oriented
Alarm monitoring	LOS LOF and path alarms via modules
Mapping support class	SDH European and related PDH
Optical testing path	via MP1656A optical options
Bit rate STM16 with add on	2488.32 Mb/s
Bit rate 156M class	supported with CMI/NRZ units

PARAMETER	VALUE
Bit rate 622M class	supported with MP0108A NRZ unit
Product family	Anritsu MP1550 PDH/SDH Analyzers
Related higher platform	MP1570A SONET/SDH/PDH/ATM Analyzer
Floppy and storage class	instrument file/log workflows with companion
Power class	AC mains portable analyzer Notes Specs from Anritsu MP1550A/B and MP1656A catalog cross-references (color MP1550A; Opt 10; MP0105A/MP0108A; MP1656A STM-16). Confirm installed interface units and 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 and alarm verification	
Key Features	
- Color display PDH/SDH analyzer mainframe - Works with MP1656A for STM-16 layers - Optional built in CMI 156M Option 10 - Plug in CMI unit MP0105A - Plug in NRZ unit MP0108A - Joint plate mounting with MP1656A - Portable benchtop form for field and lab - Error/alarm LED and OH monitor workflows	
Technical Specifications	
Technical Specifications	
PARAMETER	VALUE
Model	MP1550A
Manufacturer	Anritsu
Instrument Type	PDH/SDH Analyzer
Alias	MP1550A; Anritsu MP1550A
Display type	color
Related monochrome model	MP1550B
Primary rates class	PDH and SDH section/path analysis
STM16 companion	MP1656A Portable STM-16 Analyzer
Built in CMI Option 10	156M CMI for MP1550A/B
CMI plug in unit	MP0105A
NRZ plug in unit	MP0108A 156/622M class
Joint plate accessory	B0408A
Carrying case large	B0397A holds MP1656A and MP1550A/B
Monitor capability with MP1656A	SOH, VC3/VC4 POH, VC1 POH, K1/K2, pointer, path trace
Error performance standards class	G.826 family with STM16 add on
Measurement domains	section, H path AU, L path TU, PDH
Form factor	portable PDH/SDH analyzer
Primary use	PDH/SDH analysis with optional STM-16 add on
Interface connectors class	electrical CMI/NRZ and optical via add on
Remote readiness class	production and field test oriented

PARAMETER	VALUE
Alarm monitoring	LOS LOF and path alarms via modules
Mapping support class	SDH European and related PDH
Optical testing path	via MP1656A optical options
Bit rate STM16 with add on	2488.32 Mb/s
Bit rate 156M class	supported with CMI/NRZ units
Bit rate 622M class	supported with MP0108A NRZ unit
Product family	Anritsu MP1550 PDH/SDH Analyzers
Related higher platform	MP1570A SONET/SDH/PDH/ATM Analyzer
Floppy and storage class	instrument file/log workflows with companion
Power class	AC mains portable analyzer

Notes

Specs from Anritsu MP1550A/B and MP1656A catalog cross-references (color MP1550A; Opt 10; MP0105A/MP0108A; MP1656A STM-16). Confirm installed interface units and 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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NIST-traceable calibration · SAM registered ·
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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.