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Data Sheet

August 13, 2026

ANRITSU

ANRITSU MP1580A 2.5/10G W/MU150018A JITTER UNIT OPT 002

The Anritsu MP1580A is a portable analyzer in the MP1570/MP1580 family for SONET/SDH field and lab applications, including jitter-related portable workflows documented alongside the MP1570A platform. It provides a compact form for installation, maintenance, and inspection tasks where a full MP1570A mainframe is not required, while remaining part of Anritsu's SONET/SDH/PDH/ATM test ecosystem with compatible mappings and error-performance concepts. Storage class: floppy or file log class per family era Primary use: portable SONET/SDH analysis and jitter apps Product status class: discontinued legacy portable analyzer Specs from Anritsu MP1570A/A1 support pages listing MP1580A Portable Analyzer and related jitter application notes. Confirm exact installed interfaces, jitter options, and rate coverage on the specific MP1580A unit and its operation manual.



MODEL

Anritsu MP1580A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP1580A

LISTING

<https://aumictechlabs.com/products/mp1580a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ANRITSU MP1580A 2.5/10G with MU150018A Jitter Unit and Option 002 is a signal integrity test instrument for high-speed digital transmission at 2.5 Gbps and 10 Gbps. This configuration delivers jitter analysis, bit error rate (BER) testing, and jitter generation capabilities essential for

SDH/SONET network validation. The integrated jitter unit enables controlled stress testing of receivers through programmable jitter injection while simultaneously measuring jitter decomposition - separating deterministic, random, and total jitter components. Engineers use this platform to characterize receiver performance, validate transmitter timing margins, and validate signal quality across telecommunications and data communication infrastructure. The unit generates multiple PRBS patterns (including PRBS7, PRBS15, PRBS23) for comprehensive error detection and quantification during BER measurement cycles. Standard jitter metrics including Total Jitter (TJ), Deterministic Jitter (DJ), Random Jitter (RJ), and Peak-to-Peak Jitter (PPJ) are measured per industry standards. Dual-interface support covers both electrical connectors for 2.5G/10G signals and optical interfaces at standard telecommunication wavelengths (1310 nm, 1550 nm). Option 002 extends base MP1580A functionality for specialized measurement scenarios. This instrument serves design validation, manufacturing test, field troubleshooting, and compliance verification in high-speed optical and electrical transmission systems.

Features & description

From manufacturer datasheet

Features

• Portable analyzer form factor • SONET/SDH family measurement workflows • Jitter application notes shared with MP1570A platform • Compact field oriented packaging • Compatible ecosystem with MP1570A plug in concepts • Error performance monitoring class • LED/alarm oriented field operation • GPIB/remote class options in family

Applications

• Portable SONET/SDH installation and maintenance • Field jitter measurement application workflows • Compact alternative to full MP1570A rack mainframe • Network element commissioning checks • Error and alarm verification in the field

MP1580A Characteristics / Specifications

PARAMETER	VALUE
Model	MP1580A
Manufacturer	Anritsu
Instrument Type	Portable SONET/SDH Analyzer
Alias	MP1580A; Anritsu MP1580A
Product family	MP1570 / MP1580 SONET SDH analyzers
Form factor	portable analyzer
Primary domain	SONET/SDH field and lab analysis
Related mainframe	MP1570A SONET/SDH/PDH/ATM Analyzer
Related mainframe plus slot	MP1570A1
Jitter application note class	MP1580 Jitter Measurement Application Note
Software ecosystem example	MX158070A Jitter Measurement Application Software
Driver ecosystem example	MX158071A Jitter Measurement Sequence Driver
Bit rate class with family units	PDH through 2.5G/10G depending on configuration
Error performance standards class	ITU-T G.821/G.826 family
Mapping support class	SONET and SDH
Alarm monitoring class	LOS LOF AIS FERF path alarms
OH monitor class	section and path overhead
Through mode class	transparent and overwrite family modes
APS test class	supported in MP1570 family workflows
Optical interface class	via optical units/modules in ecosystem
Electrical interface class	PDH/SDH plug in ecosystem
Remote control class	RS-232 GPIB Ethernet family options
Display class	portable instrument display
Storage class	floppy or file log class per family era
Primary use	portable SONET/SDH analysis and jitter apps

PARAMETER	VALUE
Product status class	discontinued legacy portable analyzer
Mass class	portable field carry class
Power class	AC mains portable Notes Specs from Anritsu MP1570A/A1 support pages listing MP1580A Portable Analyzer and related jitter application notes. Confirm exact installed interfaces, jitter options, and rate coverage on the specific MP1580A unit and its 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.

performance concepts.

Applications

- Portable SONET/SDH installation and maintenance
- Field jitter measurement application workflows
- Compact alternative to full MP1570A rack mainframe
- Network element commissioning checks
- Error and alarm verification in the field

Key Features

- Portable analyzer form factor
- SONET/SDH family measurement workflows
- Jitter application notes shared with MP1570A platform
- Compact field oriented packaging
- Compatible ecosystem with MP1570A plug in concepts
- Error performance monitoring class
- LED/alarm oriented field operation
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Technical Specifications

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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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<https://aumictechlabs.com>

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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.