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**Data Sheet**

August 14, 2026

ANRITSU

# Anritsu MT1810C

Anritsu MT1810C Optical Loss Test Platform The Anritsu MT1810C is an optical test platform/mainframe associated with optical loss, source, and power-meter module testing in Anritsu optical production and lab systems. OEM MT1810 family documentation describes a modular optical test chassis hosting source, attenuator, and power-meter class modules. Optical component production test, insertion loss characterization, and modular optical bench measurements. Instrument Type: Modular optical test mainframe The Anritsu MT1810C is an optical test platform/mainframe associated with optical loss, source, and power-meter module testing in Anritsu optical production and lab systems. OEM MT1810 family documentation describes a modular optical test chassis hosting source, attenuator, and power-meter class modules. Optical component production test, insertion loss characterization, and modular optical bench measurements. Instrument Type: Modular optical test mainframe Module Support Class: Optical source attenuator power meter modules class



MODEL

**Anritsu MT1810C**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**MT1810C**

LISTING

<https://aumictechlabs.com/products/mt1810c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Anritsu MT1810C is a modular signal quality analyzer platform designed for bit error rate testing, signal characterization, and high-speed serial data validation. Built around a mainframe chassis architecture, the system accepts plug-in measurement modules controlled via external PC

software over GPIB or LAN interfaces. This configuration-flexible approach supports diverse testing requirements across research, manufacturing quality control, and field deployment verification.

**Technical Specifications**

**System Architecture:** Modular mainframe chassis (MT1810A 4-slot variant) accommodating plug-in measurement units

**Control Interface:** GPIB and LAN connectivity to external PC running Anritsu control software (MX180000A Signal Quality Analyzer Control Software)

**Module Support:** Compatible with Pulse Pattern Generators (PPG) and Error Detectors (ED) modules, such as MU181020A/B and MU181040A/B

**Data Rates:** Module support extends to 12.5 Gbit/s and 14 Gbit/s

**Chassis Options:** Available in 2-slot and 4-slot configurations

**Key Features**

- High-speed serial data testing capability for modern network infrastructure
- Modular plug-in architecture for custom measurement configurations
- Bit error rate testing (BERT) and signal quality analysis functions
- ESD/EOS protection recommended prior to coaxial cable connection

**Typical Applications**

- Manufacturing quality control of network components
- Research and development signal characterization
- Field deployment verification of high-speed serial systems
- Data rate validation up to 14 Gbit/s

**Compatibility & Integration**

The MT1810C integrates with Anritsu's modular ecosystem. PPG and ED modules provide up to 14 Gbit/s testing capacity. Internal mainframe interfaces connect measurement modules; external control via GPIB or LAN enables automation and remote operation. Proper grounding and ESD precautions are essential before operation.

## MT1810C Characteristics / Specifications

| PARAMETER                   | VALUE                                               |
|-----------------------------|-----------------------------------------------------|
| Instrument Type             | Modular optical test mainframe                      |
| Platform Name               | MT1810C                                             |
| Module Support Class        | Optical source attenuator power meter modules class |
| Wavelength Support Class    | Telecom wavelength modules class                    |
| Remote Interface            | GPIB class                                          |
| Form Factor                 | Benchtop modular mainframe                          |
| Display                     | Mainframe status display class                      |
| Series Family               | Anritsu MT1810C optical test platform               |
| Applications Class          | Optical component production and lab test           |
| Primary Power               | AC mains laboratory supply class                    |
| Cooling                     | Fan cooled class                                    |
| Slot Count Class            | Multi slot chassis class                            |
| Optical Connectors Class    | Via installed modules                               |
| Calibration                 | Module level optical calibration class              |
| Operating Temperature Class | Standard lab                                        |
| Weight Class                | Benchtop mainframe weight                           |
| Automation                  | Remote command control class                        |
| Storage                     | Setup memory class                                  |
| Safety Interlock Class      | Optical source safety class                         |
| Expansion                   | Compatible module family class                      |
| Warmup Time Class           | 15 minutes typical class                            |
| Relative Humidity Class     | Up to 80 percent noncondensing class                |
| Operating temperature       | Class: Standard lab                                 |
| Humidity                    | Class: Up to 80 percent noncondensing class         |

# General Specifications & Supplementary Characteristics

| PARAMETER                   | VALUE                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature       | Class: Standard lab                                                                                                                                                                                              |
| Operating Temperature       | Class: Standard lab                                                                                                                                                                                              |
| Humidity                    | Class: Up to 80 percent noncondensing class                                                                                                                                                                      |
| Operating Temperature Class | Standard lab                                                                                                                                                                                                     |
| Weight Class                | Benchtop mainframe weight                                                                                                                                                                                        |
| Automation                  | Remote command control class                                                                                                                                                                                     |
| Storage                     | Setup memory class                                                                                                                                                                                               |
| Safety Interlock Class      | Optical source safety class                                                                                                                                                                                      |
| Expansion                   | Compatible module family class                                                                                                                                                                                   |
| Warmup Time Class           | 15 minutes typical class                                                                                                                                                                                         |
| Relative Humidity Class     | Up to 80 percent noncondensing class Notes From Anritsu MT1810C OEM/family optical platform documentation. Exact optical performance depends on installed modules; confirm module set on the unit configuration. |

# 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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| Notes                                                                                                                                                                 |                                                     |
| From Anritsu MT1810C OEM/family optical platform documentation. Exact optical performance depends on installed modules; confirm module set on the unit configuration. |                                                     |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.