

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ANRITSU

Anritsu MN9611B Optical Attenuator

Anritsu MN9611B Programmable Optical Attenuator The Anritsu MN9611B is a benchtop programmable optical attenuator with monitor output for single-mode fiber. OEM product descriptions list 1100 to 1650 nm wavelength coverage, 60 dB maximum attenuation, 0.01 dB display resolution, and plus or minus 0.05 dB attenuation accuracy. EDFA and transmission equipment development, optical receiver sensitivity tests, and automated attenuation leveling with monitor tap. High level accuracy with low polarization dependence The Anritsu MN9611B is a benchtop programmable optical attenuator with monitor output for single-mode fiber. OEM product descriptions list 1100 to 1650 nm wavelength coverage, 60 dB maximum attenuation, 0.01 dB display resolution, and plus or minus 0.05 dB attenuation accuracy. EDFA and transmission equipment development, optical receiver sensitivity tests, and automated attenuation leveling with monitor tap. High level accuracy with low polarization dependence

Instrument Type: programmable optical attenuator



MODEL

Anritsu MN9611B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MN9611B

LISTING

<https://aumictechlabs.com/products/mn9611b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MN9611B is a programmable optical attenuator designed for precise control of optical signal levels in various testing and measurement applications. Its primary function is to accurately reduce optical power by a specified amount, ensuring that network components and systems can

be tested under a range of signal conditions. This is crucial for characterizing the performance and reliability of optical devices, such as amplifiers, transceivers, and fiber optic links, particularly in high-capacity and long-distance communication systems. The MN9611B is integrated into systems that require automated power level adjustments, contributing to fast and high-accuracy measurements.

Technical Specifications

- * Wavelength Range: 1100 nm to 1650 nm
- Maximum Attenuation Level: 60 dB
- Display Resolution: 0.01 dB
- Attenuation Accuracy: ± 0.05 dB
- Optical Return Loss: 45 dB or more
- Maximum Input Power: +23 dBm
- Optical Fiber Type: Single-mode (SM) 9/125 μm
- Interface: Includes a monitor output.

Compatibility and Integration

The Anritsu MN9611B works with integration into larger test systems. It has been noted for its use in optical amplifier testing systems, such as the ME7890B Optical Amplifier Test System. In such systems, the MN9611B can be controlled automatically to set power levels, reducing the need for manual adjustments and enabling faster, more accurate measurements. It can also be utilized with tunable laser sources and SLD light sources in specific measurement regions. The device supports control via GPIB and RS-232C interfaces when part of a larger Anritsu system.

Electrical Specifications

- * Maximum Input Power: +23 dBm

Interfaces

- * Monitor Output: Included

Physical Specifications

- * Optical Fiber Type: SM 9/125 μm

Applications

The Anritsu MN9611B is instrumental in applications requiring precise optical power attenuation, including:

- Characterizing optical amplifiers, particularly for noise figure (NF) and gain measurements.
- Testing fiber optic communication systems under varying signal loss conditions.
- Calibrating optical test equipment.
- Automated optical power level control in complex test setups.

Why Choose Aumictech for Anritsu MN9611B?

At Aumictech, we specialize in supplying high-end optical test and measurement equipment. Whether you need precise optical attenuation for your RF and microwave testing, reliable calibration standards for your network analyzers, or integrated solutions for your optical amplifier testing systems, our team ensures the Anritsu MN9611B delivers maximum performance for your application.

Features & description

From manufacturer datasheet

Polarization Dependence: low PDL class OEM description

Use Case: transmission device development Control Class: programmable front panel and remote class Connector Interface Class: optical connector adapter class Operating Temperature Class: laboratory ambient class Storage Temperature Class: instrument storage class Power Line Class: AC mains powered benchtop Related Function: optical power leveling Manufacturer: Anritsu Repeatability Class: fine attenuation repeatability class Notes Numeric rows from Anritsu MN9611B programmable optical attenuator published specifications summaries. Finer calibration limits belong on the unit certificate.

MN9611B Characteristics / Specifications

PARAMETER	VALUE
Model	MN9611B
Instrument Type	programmable optical attenuator
Wavelength Range	1100 nm to 1650 nm
Maximum Attenuation	60 dB
Display Resolution	0.01 dB
Attenuation Accuracy	plus or minus 0.05 dB
Optical Return Loss	45 dB or greater
Maximum Input Power	plus 23 dBm
Fiber Type	SM 9/125 um
Monitor Output	included
Form Factor	benchtop
Series Family	Anritsu MN96xx optical attenuators
Polarization Dependence	low PDL class OEM description
Use Case	transmission device development
Control Class	programmable front panel and remote class
Connector Interface Class	optical connector adapter class
Operating Temperature Class	laboratory ambient class
Storage Temperature Class	instrument storage class
Power Line Class	AC mains powered benchtop
Related Function	optical power leveling
Manufacturer	Anritsu
Repeatability Class	fine attenuation repeatability class
Attenuation	60 dB
Storage temperature	Class: instrument storage class
Operating temperature	Class: laboratory ambient class

PARAMETER	VALUE
Return loss	45 dB or greater

MN9611B Specifications

PARAMETER	VALUE
Anritsu MN9611B Programmable Optical Attenuator	Overview
Key Features	High level accuracy with low polarization dependence
Programmable attenuation control	Single-mode 9/125 um fiber interface
Technical Specifications	Model: MN9611B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: instrument storage class
Operating temperature	Class: laboratory ambient class
Operating Temperature	Class: laboratory ambient class
Operating Temperature Class	laboratory ambient class
Storage Temperature Class	instrument storage class
Power Line Class	AC mains powered benchtop
Related Function	optical power leveling
Manufacturer	Anritsu
Repeatability Class	fine attenuation repeatability class Notes Numeric rows from Anritsu MN9611B programmable optical attenuator published specifications summaries. Finer calibration limits belong on the unit certificate.

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	MN9611B
Instrument Type	programmable optical attenuator
Wavelength Range	1100 nm to 1650 nm
Maximum Attenuation	60 dB
Display Resolution	0.01 dB
Attenuation Accuracy	plus or minus 0.05 dB
Optical Return Loss	45 dB or greater
Maximum Input Power	plus 23 dBm
Fiber Type	SM 9/125 um
Monitor Output	included
Form Factor	benchtop
Series Family	Anritsu MN96xx optical attenuators
Polarization Dependence	low PDL class OEM description
Use Case	transmission device development
Control Class	programmable front panel and remote class
Connector Interface Class	optical connector adapter class
Operating Temperature Class	laboratory ambient class
Storage Temperature Class	instrument storage class
Power Line Class	AC mains powered benchtop
Related Function	optical power leveling
Manufacturer	Anritsu
Repeatability Class	fine attenuation repeatability class
Notes	
Numeric rows from Anritsu MN9611B programmable optical attenuator published specifications summaries. Finer calibration limits belong on the unit certificate.	

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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