

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ANRITSU

Anritsu MA9721A Optical Power Sensor

The Anritsu MA9721A is a germanium optical power sensor. OEM listings specify 750 to 1800 nm wavelength coverage for use with Anritsu optical power meters. Laboratory and field optical power measurements on telecom wavelengths. Host Instruments: Anritsu optical power meters Series Family: Anritsu MA97xx optical sensors Storage Temperature Class: minus 20 C to 70 C class Calibration Traceability: Anritsu optical cal Wavelength Setting: enter wavelength on host meter Wavelength range from Anritsu MA9721A OEM listing (750-1800 nm Ge diode). Exact power range is on the sensor label/calibration sheet.



MODEL

Anritsu MA9721A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MA9721A

LISTING

<https://aumictechlabs.com/products/ma9721a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MA9721A is an optical sensor module designed for optical power measurement within telecommunications and fiber optic testing applications. It functions as a component within broader test systems, such as the Anritsu MD6480A BERT system, to facilitate high-sensitivity analysis of optical communication systems and devices. This module is instrumental in the evaluation and characterization of optical transceivers, fiber optic cables, and other related optical components across research, development, and manufacturing processes. Technical Specifications * Type: Optical Sensor Module Wavelength Range: 0.75 μ m to 1.8 μ m Measurement Range: -40 dBm to +10 dBm (at 1.3 μ m) Accuracy: $\pm$ 0.5 dB or better (typical, dependent on

calibration and conditions) Resolution: High resolution for precise optical power measurements
Connector Type: Typically FC/PC or similar optical connectors (refer to specific model documentation)
Compatibility: Designed for use with Anritsu ML9002A and MS9020D mainframe units. Can also be utilized with the Anritsu MD6480A BERT system.
Physical Characteristics * Dimensions: Compact design suitable for integration into various optical measurement setups. Specific dimensions are not detailed in the provided documentation.
Weight: Not specified in the provided documentation.
Electrical Characteristics * Power Requirements: Not specified in the provided documentation. Assumed to be supplied by the compatible mainframe unit.
Interfaces * Optical Connector: Typically FC/PC, though specific compatibility should be verified with documentation.
Environmental Considerations * Operating Temperature: Designed to operate reliably within standard temperature ranges. Specific environmental specifications are not detailed in the provided documentation.
Compatibility * Mainframe Systems: The Anritsu MA9721A optical sensor is explicitly mentioned as compatible with the Anritsu ML9002A and MS9020D optical power meter mainframes.
BERT Systems: It is also noted for its use with the Anritsu MD6480A Bit Error Rate Tester (BERT) system, indicating its role in advanced communication testing.
Accessories: May be used remotely from a mainframe with accessories such as the MA9006A Sensor Adaptor, MZ8013A Sensor Holder, and Sensor Connecting Cord S.
Documentation and Support * Manuals: User manuals and datasheets are available from Anritsu and authorized distributors.
Calibration and Repair Services: Anritsu and authorized service centers offer calibration, repair, and maintenance services for the MA9721A.
Why Choose Aumictech for Anritsu MA9721A? At Aumictech, we specialize in supplying high-end optical test and measurement equipment. Whether you need precise optical power measurements, integration with BERT systems, or reliable component characterization, our team ensures the Anritsu MA9721A delivers maximum performance for your application.

MA9721A Characteristics / Specifications

PARAMETER	VALUE
Model	MA9721A
Instrument Type	optical power sensor
Wavelength Range	750 to 1800 nm
Detector Type	germanium photodiode
Operating Temperature Class	0 C to 40 C
Connector Interface Class	FC PC optical
Host Instruments	Anritsu optical power meters
Series Family	Anritsu MA97xx optical sensors
Related Models	MA9722A MA9723A
Use Case	optical power measurement
Fiber Type Class	SM and MM with adapters
Accuracy Class	meter plus sensor calibration dependent
Resolution Class	0.01 dB class on host meter
Form Factor	detachable optical sensor head
Manufacturer	Anritsu
Measurement Quantity	optical power
Cable Interface	Anritsu sensor cable
Storage Temperature Class	minus 20 C to 70 C class
Dynamic Range Class	wide Ge diode class
Calibration Traceability	Anritsu optical cal
Maximum Safe Input	per sensor label
Wavelength Setting	enter wavelength on host meter
Storage temperature	Class: minus 20 C to 70 C class
Operating temperature	Class: 0 C to 40 C
Fiber type	Class: SM and MM with adapters

MA9721A Specifications

PARAMETER	VALUE
Anritsu MA9721A Optical Power Sensor	Overview
Key Features	750 to 1800 nm Ge sensor coverage
FC optical interface class	MA97xx sensor family member
Technical Specifications	Model: MA9721A
Notes	Wavelength range from Anritsu MA9721A OEM listing (750-1800 nm Ge diode). Exact power range is on the sensor label/calibration sheet.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 20 C to 70 C class
Operating temperature	Class: 0 C to 40 C
Operating Temperature	Class: 0 C to 40 C
Operating Temperature Class	0 C to 40 C
Connector Interface Class	FC PC optical
Host Instruments	Anritsu optical power meters
Series Family	Anritsu MA97xx optical sensors
Related Models	MA9722A MA9723A
Use Case	optical power measurement
Fiber Type Class	SM and MM with adapters
Accuracy Class	meter plus sensor calibration dependent
Resolution Class	0.01 dB class on host meter
Form Factor	detachable optical sensor head
Manufacturer	Anritsu
Measurement Quantity	optical power
Cable Interface	Anritsu sensor cable
Storage Temperature Class	minus 20 C to 70 C class
Dynamic Range Class	wide Ge diode class
Calibration Traceability	Anritsu optical cal
Maximum Safe Input	per sensor label
Wavelength Setting	enter wavelength on host meter Notes Wavelength range from Anritsu MA9721A OEM listing (750-1800 nm Ge diode). Exact power range is on the sensor label/calibration sheet.

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	MA9721A
Instrument Type	optical power sensor
Wavelength Range	750 to 1800 nm
Detector Type	germanium photodiode
Operating Temperature Class	0 C to 40 C
Connector Interface Class	FC PC optical
Host Instruments	Anritsu optical power meters
Series Family	Anritsu MA97xx optical sensors
Related Models	MA9722A MA9723A
Use Case	optical power measurement
Fiber Type Class	SM and MM with adapters
Accuracy Class	meter plus sensor calibration dependent
Resolution Class	0.01 dB class on host meter
Form Factor	detachable optical sensor head
Manufacturer	Anritsu
Measurement Quantity	optical power
Cable Interface	Anritsu sensor cable
Storage Temperature Class	minus 20 C to 70 C class
Dynamic Range Class	wide Ge diode class
Calibration Traceability	Anritsu optical cal
Maximum Safe Input	per sensor label
Wavelength Setting	enter wavelength on host meter
Notes	
Wavelength range from Anritsu MA9721A OEM listing (750-1800 nm Ge diode). Exact power range is on the sensor label/calibration sheet.	

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.