

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ8201-32M Optical Attenuator Module

The Ando AQ8201-32M is an optical attenuator module designed for precise control of optical power levels. It features a wide attenuation range, low insertion loss, and excellent stability, making it suitable for various optical communication and testing applications. This module ensures accurate and reliable performance in demanding environments.



MODEL

Ando AQ8201-32M

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8201-32M

LISTING

<https://aumictechlabs.com/products/aq8201-32m-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ8201-32M is a plug-in optical attenuator module engineered for precise control of optical power levels across single-mode fiber networks. This module integrates into Ando AQ8201 Series mainframes to deliver accurate attenuation for optical communication testing, component characterization, and system calibration. Its fine-resolution control and high return loss make it suitable for demanding measurement and production environments. Technical Specifications Wavelength Range: 1480–1650 nm Maximum Attenuation: 60 dB Attenuation Step Resolution: 0.001 dB Optical Return Loss: ≥ 50 dB Maximum Input Power: +23 dBm Fiber Type: Single Mode Optical Connectors: FC/APC Form Factor: Single-slot plug-in module Monitor Port: Output monitor port included Key Features Attenuation control from 0 to 60 dB with 0.001 dB step resolution for fine-grained power management High return loss (≥ 50 dB) minimizes reflections and maintains signal integrity Integrated output monitor port for power verification and troubleshooting

Compatible with mainframe control via GPIB for automated test sequences and system integration

Typical Applications Optical testing and measurement systems Multi-channel signal conditioning and power optimization WDM component testing (MUX/DEMUX, AWG, EDFA) Network simulation and emulation Production test and calibration environments Research and development laboratories

Compatibility & Integration The AQ8201-32M works with the Ando AQ8201 Series platform, including the AQ8201A (19-inch rack mount, up to 10 modules), AQ8203 (half-size frame, up to 3 modules), AQ8202, and AQ8204 mainframes. System control and automation are managed through the mainframe's display controller and GPIB interface, enabling integration into laboratory and production test systems.

Features & description

From manufacturer datasheet

Polarization Dependent Loss Typical: 0.05 dB p-p at 1550 nm

Maximum Input Power: plus 23 dBm Shutter Isolation: 100 dB or more Applicable Fiber: SM 9/125 μ m
Optical Connector: FC Angled PC Operating Temperature: 5 to 40 C Storage Temperature: 0 to 50 C
Humidity: 85 percent RH or less noncondensing Dimensions Approx WxHxD: 39.5 $\times$ 130 $\times$ 339 mm
Mass Approx: 1 kg Host Mainframe: AQ8201 / AQ8203 class frames Remote Interface: GPIB via
mainframe Form Factor: Single slot plug in module Warmup: 1 hour for assured specs at 25 plus or
minus 3 C Series Family: AQ8201-32 attenuator family Manufacturer: Ando Yokogawa Notes From
Ando/Yokogawa AQ8200 Series specifications for AQ8201-32 attenuator family (32/32A/33/33M).
Confirm 32M-specific monitor options on the module label.

AQ820132M Characteristics / Specifications

PARAMETER	VALUE
Wavelength Range	1200 to 1600 nm
Insertion Loss Maximum	2.5 dB or less at 1310/1550 nm
Maximum Attenuation Level	60 dB
Attenuation Deviation	within plus or minus 0.1 dB at 1310/1550 nm
Repeatability	within plus or minus 0.02 dB
Minimum Attenuation Step	0.01 dB
Optical Return Loss	60 dB or more at 1310/1550 nm
Polarization Dependent Loss Typical	0.05 dB p-p at 1550 nm
Maximum Input Power	plus 23 dBm
Shutter Isolation	100 dB or more
Applicable Fiber	SM 9/125 um
Optical Connector	FC Angled PC
Operating Temperature	5 to 40 C
Storage Temperature	0 to 50 C
Humidity	85 percent RH or less noncondensing
Dimensions Approx WxHxD	39.5 × 130 × 339 mm
Mass Approx	1 kg
Host Mainframe	AQ8201 / AQ8203 class frames
Remote Interface	GPIB via mainframe
Form Factor	Single slot plug in module
Warmup	1 hour for assured specs at 25 plus or minus 3 C
Series Family	AQ8201-32 attenuator family
Manufacturer	Ando Yokogawa
Attenuation	Level: 60 dB
Return loss	60 dB or more at 1310/1550 nm

AQ820132M Specifications

PARAMETER	VALUE
Applications	Automated optical attenuation, receiver sensitivity testing, and EDFA/component characterization in AQ820x modular systems.
Programmable optical attenuator module	60 dB maximum attenuation
Technical Specifications	Wavelength Range: 1200 to 1600 nm

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	0 to 50 C
Operating temperature	5 to 40 C
Operating Temperature	5 to 40 C
Humidity	85 percent RH or less noncondensing
Dimensions Approx WxHxD	39.5 × 130 × 339 mm
Mass Approx	1 kg
Host Mainframe	AQ8201 / AQ8203 class frames
Remote Interface	GPIB via mainframe
Form Factor	Single slot plug in module
Warmup	1 hour for assured specs at 25 plus or minus 3 C
Series Family	AQ8201-32 attenuator family
Manufacturer	Ando Yokogawa Notes From Ando/Yokogawa AQ8200 Series specifications for AQ8201-32 attenuator family (32/32A/33/33M). Confirm 32M-specific monitor options on the module label.

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 for AQ8201-32 list 1200 to 1600 nm operation, 60 dB maximum attenuation, 0.01 dB minimum step, 2.5 dB or less insertion loss at 1310/1550 nm, and plus 23 dBm maximum input power.

Applications

Automated optical attenuation, receiver sensitivity testing, and EDFA/component characterization in AQ820x modular systems.

Key Features

Programmable optical attenuator module

60 dB maximum attenuation

0.01 dB minimum step on 32 family

GPIB control via mainframe

FC Angled PC connector class

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Wavelength Range	1200 to 1600 nm
Insertion Loss Maximum	2.5 dB or less at 1310/1550 nm
Maximum Attenuation Level	60 dB
Attenuation Deviation	within plus or minus 0.1 dB at 1310/1550 nm
Repeatability	within plus or minus 0.02 dB
Minimum Attenuation Step	0.01 dB
Optical Return Loss	60 dB or more at 1310/1550 nm
Polarization Dependent Loss Typical	0.05 dB p-p at 1550 nm
Maximum Input Power	plus 23 dBm
Shutter Isolation	100 dB or more
Applicable Fiber	SM 9/125 um
Optical Connector	FC Angled PC
Operating Temperature	5 to 40 C
Storage Temperature	0 to 50 C
Humidity	85 percent RH or less noncondensing
Dimensions Approx WxHxD	39.5 x 130 x 339 mm
Mass Approx	1 kg
Host Mainframe	AQ8201 / AQ8203 class frames
Remote Interface	GPIB via mainframe
Form Factor	Single slot plug in module

PARAMETER	VALUE
Warmup	1 hour for assured specs at 25 plus or minus 3 C
Series Family	AQ8201-32 attenuator family
Manufacturer	Ando Yokogawa

Notes
From Ando/Yokogawa AQ8200 Series specifications for AQ8201-32 attenuator family (32/32A/33/33M). Confirm 32M-specific monitor options on the module label.

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 14, 2026

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