

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ8201-32 Optical Attenuator Module

The Ando AQ8201-32 is a plug-in optical attenuator module for AQ8201/AQ8203 modular mainframes. OEM AQ8201 attenuator module documentation lists programmable attenuation in the telecom windows with low insertion loss and high return loss for automated optical test. Automated optical attenuation, insertion-loss test setups, and receiver sensitivity testing when hosted in an AQ8201/AQ8203 mainframe. Instrument Type: Plug in optical attenuator module Host Mainframe: AQ8203 / AQ8201 class frames Automated optical attenuation, insertion-loss test setups, and receiver sensitivity testing when hosted in an AQ8201/AQ8203 mainframe. Instrument Type: Plug in optical attenuator module Host Mainframe: AQ8203 / AQ8201 class frames Attenuation Range Class: 0 dB to tens of dB class per module sheet



MODEL

Ando AQ8201-32

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8201-32

LISTING

<https://aumictechlabs.com/products/aq8201-32-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ8201-32 is an optical attenuator module designed for precise control of optical power levels within the Ando AQ8200 series modular test and measurement platform. This single-slot plug-in module delivers fine-resolution attenuation across the C and L bands, supporting applications from component characterization to optical communication system testing and research environments. Technical Specifications Wavelength Range: 1200 nm to 1600 nm Maximum Attenuation: 60 dB Attenuation Resolution: 0.01 dB Insertion Loss: ≤ 2.5 dB (at 1310/1550

nm) Optical Return Loss: ≥ 60 dB (at 1310/1550 nm) Maximum Input Power: +23 dBm Connector Type: FC/APC Slot Width: 1 slot Key Features 0.01 dB step resolution enables fine-grain power optimization across the extended wavelength range. Low insertion loss and high return loss minimize reflection-induced measurement errors. Remote attenuation control via mainframe controller with real-time display of settings. LabVIEW driver support for automated test system integration. Typical Applications Optical component and device characterization Fiber optic system testing and validation Network simulation and signal conditioning Precision power level control in optical measurement setups Compatibility & Integration The AQ8201-32 integrates into all Ando AQ8200 series mainframes: the AQ8201A Rack Mount Mainframe (10-module capacity), AQ8202 Expander Frame (40-module system capacity), AQ8203 Halfsize Frame (3-module capacity), and AQ8204 Frame Controller. Attenuation and wavelength shutter control are managed through the host mainframe's control interface.

Features & description

From manufacturer datasheet

Polarization Dependent Loss Class: Low PDL class

Setting Resolution Class: 0.01 dB or 0.001 dB class by config Repeatability Class: High attenuation repeatability class Remote Interface: GPIB via mainframe Form Factor: Single slot plug in module Connector Class: FC SC interchangeable adapters class Fiber Type: Single mode Series Family: Ando AQ8201-32 optical attenuator modules

AQ8201 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Plug in optical attenuator module
Module Family	AQ8201-32
Host Mainframe	AQ8203 / AQ8201 class frames
Attenuation Range Class	0 dB to tens of dB class per module sheet
Wavelength Range Class	1200 nm to 1650 nm class typical attenuator modules
Insertion Loss Class	Low insertion loss class
Return Loss Class	High return loss class
Polarization Dependent Loss Class	Low PDL class
Setting Resolution Class	0.01 dB or 0.001 dB class by config
Repeatability Class	High attenuation repeatability class
Remote Interface	GPIB via mainframe
Form Factor	Single slot plug in module
Connector Class	FC SC interchangeable adapters class
Fiber Type	Single mode
Series Family	Ando AQ8201-32 optical attenuator modules
Applications Class	Automated optical attenuation
Calibration	Module level optical calibration class
Power	Supplied by host mainframe
Operating Temperature Class	Standard lab
Safety	Passive attenuator optical path class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Max Input Power Class	Specified damage level class
Wavelength range	Class: 1200 nm to 1650 nm class typical attenuator modules
Attenuation	Range Class: 0 dB to tens of dB class per module sheet

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Humidity	Class: Up to 80 percent noncondensing class
Return loss	Class: High return loss class

AQ8201 Specifications

PARAMETER	VALUE
Applications	Automated optical attenuation, insertion-loss test setups, and receiver sensitivity testing when hosted in an AQ8201/AQ8203 mainframe.
Programmable optical attenuator module	Installs in AQ8203 or AQ8201 mainframe
Telecom wavelength attenuation	Low PDL class design
Technical Specifications	Instrument Type: Plug in optical attenuator module

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
Safety	Passive attenuator optical path class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Max Input Power Class	Specified damage level class Notes From Ando AQ8201-32 optical attenuator module OEM/family documentation. Confirm exact attenuation range, resolution, and wavelength limits on the module datasheet. Related AQ8201-32M appears separately on the queue.

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 Ando AQ8201-32 optical attenuator module OEM/family documentation. Confirm exact attenuation range,	

resolution, and wavelength limits on the module datasheet. Related AQ8201-32M appears separately on the queue.

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>

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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.