

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ8201-34

The Ando AQ8201-34 is a plug-in optical module for AQ8201/AQ8203 modular mainframes. OEM AQ8201-series documentation covers sources, attenuators, switches, and related optical functions as module-specific configurations; the -34 suffix denotes a specific optical function within that family. Modular optical production test and automated optical bench measurements when installed in an AQ8201/AQ8203 mainframe. Telecom wavelength optical function class Hot swap or tool free module install class Modular optical production test and automated optical bench measurements when installed in an AQ8201/AQ8203 mainframe. Telecom wavelength optical function class Hot swap or tool free module install class Instrument Type: Plug in optical module for AQ8201 platform



Artisan Technology Group

MODEL

Ando AQ8201-34

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8201-34

LISTING

<https://aumictechlabs.com/products/aq8201-34-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ8201-34 is a quad optical attenuator module that delivers precise control of optical signal power across four independent channels. Designed as a 2-slot plug-in for the AQ8201 series optical test systems, It has stable attenuation from 0 dB to 20 dB in 0.5 dB increments across the C-band and L-band spectrum. With insertion loss of 3 dB or less and optical return loss exceeding 40 dB, the module maintains signal integrity for demanding WDM component characterization. Each of the four channels operates independently, enabling simultaneous multi-

channel attenuation in applications ranging from DWDM system evaluation to amplifier testing.

Technical Specifications
Wavelength Range: 1520 nm to 1620 nm
Maximum Attenuation: 20 dB
Attenuation Resolution: 0.5 dB per step
Insertion Loss: ≤ 3 dB
Optical Return Loss: ≥ 40 dB
Applicable Fiber: Single-mode (10/125 μm)
Connectors: FC/PC
Configuration: 2-slot module with 4 input and 4 output attenuators

Key Features
Four independent attenuator channels for parallel signal conditioning
Fine-grain control with 0.5 dB step resolution over 20 dB dynamic range
Low insertion loss and high return loss preserve signal quality and minimize reflections
Compact 2-slot module footprint for efficient mainframe utilization
Single-mode fiber compatibility supports long-haul and metro applications

Typical Applications
DWDM multiplexer and demultiplexer evaluation
Arrayed waveguide grating (AWG) characterization
Erbium-doped fiber amplifier (EDFA) testing and gain flatness measurement
Multi-channel optical signal power conditioning
WDM component performance validation

Compatibility & Integration
The AQ8201-34 integrates into the Ando AQ8201A Rack Mount Mainframe and AQ8203 Halfsize Frame. It functions as part of the broader AQ8200 series ecosystem, which includes light sources, power meters, and complementary optical modules for complete WDM system evaluation.

Features & description

From manufacturer datasheet

Polarization Dependence Class: Specified PDL class if applicable

Operating Temperature Class: Standard lab Series Family: Ando AQ8201 modular optical modules

AQ8201 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Plug in optical module for AQ8201 platform
Module Family	AQ8201-34
Host Mainframe	AQ8203 / AQ8201 class frames
Remote Interface	GPIB via mainframe
Form Factor	Single slot plug in module
Optical Function Class	AQ8201-34 specific optical function class
Wavelength Support Class	Telecom wavelength class per module sheet
Connector Class	FC SC interchangeable adapters class
Insertion Loss Class	Specified on module datasheet class
Return Loss Class	Specified on module datasheet class
Polarization Dependence Class	Specified PDL class if applicable
Operating Temperature Class	Standard lab
Series Family	Ando AQ8201 modular optical modules
Applications Class	Optical component production test
Calibration	Module level optical calibration class
Power	Supplied by host mainframe
Control	Mainframe soft keys and GPIB class
Safety	Optical source safety class if source module
Repeatability Class	High repeatability optical settings class
Resolution Class	Fine setting resolution class
Dynamic Range Class	Module dependent optical range class
Fiber Type Class	Single mode class typical
Operating temperature	Class: Standard lab
Return loss	Class: Specified on module datasheet class
Fiber type	Class: Single mode class typical

AQ8201 Specifications

PARAMETER	VALUE
Applications	Modular optical production test and automated optical bench measurements when installed in an AQ8201/AQ8203 mainframe.
Key Features	AQ8201 series plug in module
Technical Specifications	Instrument Type: Plug in optical module for AQ8201 platform

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
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Series Family	Ando AQ8201 modular optical modules
Applications Class	Optical component production test
Calibration	Module level optical calibration class
Power	Supplied by host mainframe
Control	Mainframe soft keys and GPIB class
Safety	Optical source safety class if source module
Repeatability Class	High repeatability optical settings class
Resolution Class	Fine setting resolution class
Dynamic Range Class	Module dependent optical range class
Fiber Type Class	Single mode class typical Notes From Ando AQ8201-34 modular optical family documentation. Confirm the exact optical function (source, attenuator, switch, etc.) and numeric limits on the -34 module datasheet.

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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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

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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.