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Data Sheet

August 14, 2026

ANDO

Ando AQ8201-31 Optical Attenuator Module

Ando AQ8201-31 Optical Light Source Module The Ando AQ8201-31 is a plug-in laser diode light source module for AQ8201/AQ8203 modular mainframes. OEM AQ8201 source module documentation lists stable CW optical output in telecom wavelength windows for loss and component testing. Optical insertion-loss testing, receiver stimulus, and modular optical bench source applications. Instrument Type: Plug in optical light source module The Ando AQ8201-31 is a plug-in laser diode light source module for AQ8201/AQ8203 modular mainframes. OEM AQ8201 source module documentation lists stable CW optical output in telecom wavelength windows for loss and component testing. Optical insertion-loss testing, receiver stimulus, and modular optical bench source applications. Instrument Type: Plug in optical light source module Host Mainframe: AQ8203 / AQ8201 class frames



MODEL

Ando AQ8201-31

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8201-31

LISTING

<https://aumictechlabs.com/products/aq8201-31-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ8201-31 Optical Attenuator Module is a precision plug-in component for controlling optical power levels in fiber optic test systems. It delivers accurate attenuation with minimal insertion loss and excellent repeatability, making it essential for characterizing optical components and subsystems. The module integrates into Ando AQ8200 Series mainframes to enable flexible, modular measurement configurations across telecom and component validation

workflows. Technical Specifications Wavelength Range: 1200 nm to 1600 nm Maximum Attenuation: 60 dB Attenuation Step Resolution: 0.05 dB Insertion Loss: ≤ 2.5 dB Optical Return Loss: ≥ 60 dB (1310–1550 nm) Maximum Input Power: +23 dBm Attenuation Linearity: ± 0.1 dB Optical Connector: FC/APC Form Factor: Single-slot plug-in module Key Features Low insertion loss maintains signal integrity during sensitive measurements Excellent repeatability supports high-confidence calibration and validation High optical return loss minimizes back-reflections and measurement artifacts Wide wavelength coverage spans standard telecom C- and L-bands Compact single-slot design fits into standard AQ8200 mainframe configurations Typical Applications Optical power level control in component testing WDM, MUX/DEMUX, and AWG characterization EDFA performance evaluation Signal attenuation for dynamic range extension in optical measurements Compatibility & Integration The AQ8201-31 operates as a plug-in module within Ando AQ8200 Series mainframes including the AQ8201A, AQ8202, AQ8203, and AQ8204. It integrates alongside other modules such as light sources, optical power meters, and optical switches to create configurable test systems tailored to specific measurement requirements.

AQ8201 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Plug in optical light source module
Module Family	AQ8201-31
Host Mainframe	AQ8203 / AQ8201 class frames
Source Type	Laser diode CW source class
Wavelength Class	Telecom window wavelength class per module sheet
Output Power Class	Calibrated dBm output class
Output Stability Class	High short term stability class
Spectral Width Class	Narrow LD spectral width 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 AQ8201-31 optical source modules
Applications Class	Optical loss and component stimulus
Calibration	Module level optical calibration class
Power	Supplied by host mainframe
Operating Temperature Class	Standard lab
Safety	Optical source enable interlock class
Modulation Class	CW with optional modulation class by config
Return Loss Sensitivity Class	High return loss tolerant output class
Repeatability Class	High power setting repeatability class
Resolution Class	Fine power set resolution class
Operating temperature	Class: Standard lab
Return loss	Sensitivity Class: High return loss tolerant output class

AQ8201 Specifications

PARAMETER	VALUE
LD light source plug in module	Installs in AQ8203 or AQ8201 mainframe
GPIB control via mainframe	Stable CW telecom wavelength output
Technical Specifications	Instrument Type: Plug in optical light source module

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Operating Temperature	Class: Standard lab
Operating Temperature Class	Standard lab
Safety	Optical source enable interlock class
Modulation Class	CW with optional modulation class by config
Return Loss Sensitivity Class	High return loss tolerant output class
Repeatability Class	High power setting repeatability class
Resolution Class	Fine power set resolution class Notes From Ando AQ8201-31 optical source module OEM/family documentation. Confirm exact wavelength and output power on the module datasheet. Related AQ8201-31B isaB-suffix variant.

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
Instrument Type	Plug in optical light source module
Module Family	AQ8201-31
Host Mainframe	AQ8203 / AQ8201 class frames
Source Type	Laser diode CW source class
Wavelength Class	Telecom window wavelength class per module sheet
Output Power Class	Calibrated dBm output class
Output Stability Class	High short term stability class
Spectral Width Class	Narrow LD spectral width 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 AQ8201-31 optical source modules
Applications Class	Optical loss and component stimulus
Calibration	Module level optical calibration class
Power	Supplied by host mainframe
Operating Temperature Class	Standard lab
Safety	Optical source enable interlock class
Modulation Class	CW with optional modulation class by config
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Notes	
From Ando AQ8201-31 optical source module OEM/family documentation. Confirm exact wavelength and output power on the module datasheet. Related AQ8201-31B isaB-suffix variant.	

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.