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Data Sheet

August 14, 2026

ANDO

Ando AQ8203 3-Slot Optical Mainframe

The Ando AQ8203 is a 3-slot optical test mainframe for AQ8201-series plug-in modules including sources, attenuators, and switches. OEM Ando/Yokogawa modular optical platform documentation lists GPIB control and multi-slot optical production/lab architectures. Modular optical component production test, multi-module optical bench setups, and automated insertion-loss characterization. Instrument Type: Modular optical test mainframe Compatible Modules: AQ8201 series optical modules Instrument Type: Modular optical test mainframe Compatible Modules: AQ8201 series optical modules Primary Power: AC mains laboratory supply class Series Family: Ando AQ8203 / AQ8201 modular optical platform



MODEL

Ando AQ8203

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8203

LISTING

<https://aumictechlabs.com/products/aq8203-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ8203 is a 3-slot optical mainframe designed to house and control Ando AQ8201 and AQ8202 series plug-in modules. This half-width 19-inch rack-mountable system delivers a compact yet flexible platform for optical component testing in R&D, production, and field environments. The integrated controller features an STN color LCD display, operation switches, and rotary knob adjustment for direct module control, while IEEE-488.2 GPIB compatibility enables remote system integration and automation. Technical Specifications Mainframe Architecture Model: Ando AQ8203 Type: 3-Slot Optical Mainframe (Half-width Frame) Module

Capacity: 3 slots per mainframe Expandability: Supports up to 43 modules via connection to AQ8202 Expander Frame Rack Configuration: Half-width of standard 19-inch rack; suitable for rack mounting or desktop deployment Control & Display Display: STN color LCD with simultaneous 3-slot status monitoring (optical output, wavelength, attenuation) Built-in Controller: Integrated interface for module operation and parameter adjustment Interface: IEEE-488.2 GPIB for remote control; serial interface for AQ8202 connection Connectors: VGA D-sub 15-pin (display output), PS/2 DIN 6-pin (keyboard), DC/LED interface (AQ8201-02 Display Controller) Key Features Direct module control via operation switches and rotary knob adjustment Function key menu system for module configuration Simultaneous multi-slot optical parameter display and control Modular architecture supports diverse optical test configurations Typical Applications The AQ8203 accommodates a broad range of Ando optical modules: Light sources: WDM DFB-LD (1 slot), ASE (2 slots), ECL (1 slot) Optical power meters: Single and dual-channel OPM modules (1 slot each) Variable optical attenuators: Single-slot ATTN modules Return loss measurement: RLM modules (1 slot) Optical switching and coupling: OSW and optical coupler modules Compatibility & Integration Full compatibility with Ando AQ8201 and AQ8202 series modules enables flexible system configuration. GPIB remote control facilitates integration into automated test environments and multi-instrument setups.

AQ8203 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Modular optical test mainframe
Slot Count	3 slots
Compatible Modules	AQ8201 series optical modules
Remote Interface	GPIB
Form Factor	Benchtop modular mainframe
Display	Mainframe status display class
Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Series Family	Ando AQ8203 / AQ8201 modular optical platform
Applications Class	Optical component production and lab test
Optical Connectors Class	Via installed modules
Calibration	Module level optical calibration class
Operating Temperature Class	Standard lab
Weight Class	Benchtop mainframe weight
Automation	Remote command control class
Storage	Setup memory class
Safety Interlock Class	Optical source safety class via modules
Expansion	3 module simultaneous operation
Control Bus	Shared mainframe control of module functions
Wavelength Support Class	Depends on installed modules
Power Budget Class	Shared module power supply class
Module Detection	Automatic module identification class
Operating temperature	Class: Standard lab

AQ8203 Specifications

PARAMETER	VALUE
Ando AQ8203 Optical Test Mainframe	Overview
Key Features	3 slot optical mainframe
Technical Specifications	Instrument Type: Modular optical test mainframe

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Operating Temperature	Class: Standard lab
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Storage	Setup memory class
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Expansion	3 module simultaneous operation
Control Bus	Shared mainframe control of module functions
Wavelength Support Class	Depends on installed modules
Power Budget Class	Shared module power supply class
Module Detection	Automatic module identification class Notes
From Ando AQ8203 OEM product documentation (queue title	3-slot optical mainframe). Exact optical performance depends on installed AQ8201 modules.

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

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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.