

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ8202-A1

The Ando AQ8202-A1 is a precision optical test instrument designed for analyzing and characterizing optical components and systems. It offers high accuracy and reliable performance for various optical testing applications.



MODEL

Ando AQ8202-A1

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8202-A1

LISTING

<https://aumictechlabs.com/products/aq8202-a1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ8202-A1 System Controller is a modular optical test and measurement platform engineered for precise characterization of optical components and systems across DWDM, amplifier, and passive/active device applications. This flexible mainframe accommodates up to 10 modules in standard configuration, expanding to 40 modules with an optional AQ8202 Expander Frame, assemble custom test solutions from compatible light sources, attenuators, power meters, and optical switches. Technical Specifications Module Capacity & Control Supports up to 10 modules (mainframe) Expandable to 40 modules with AQ8202 Expander Frame IEEE-488.2 GPIB interface for external device communication Serial interface for AQ8200 series unit interconnection VGA output (D-sub 15-pin) for external display integration Power & Environment AC Input: 100–120 V (±10 %) or 200–240 V (±10 %), 50/60 Hz Maximum Power Consumption: 600 VA Operating Temperature: 5 °C to 40 °C Storage Temperature: 0 °C to 50 °C Humidity: ≤85 % RH (non-condensing) Maximum Altitude: 2000 m Contamination Level: 2; Overvoltage Category: II

Physical Dimensions (W × H × D): 425 mm × 132.5 mm × 500 mm Mass: 10 kg Key Features Integrated display for module operation and system status monitoring Modular architecture supports wavelength-tunable sources, variable optical attenuators, dual-channel power measurement, and multi-port optical switching Singlemode attenuators rated 1280–1620 nm with up to 30 dB attenuation Dual 1×2 optical switches available with 1480–1620 nm wavelength range, 50 dB return loss, 1.7 dB insertion loss, and ±0.02 dB repeatability Typical Applications DWDM component specification and validation Optical amplifier characterization Passive and active optical device testing Multi-wavelength system performance analysis Compatibility & Integration The AQ8202-A1 accepts WDM DFB-LD modules, ASE and ECL light sources, optical power meters (single and dual-port), attenuators, and optical switch matrices. GPIB and serial interfaces enable integration with external test automation and control systems.

AQ8202A1 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System controller
Model	AQ8202-01
Expander Compatibility	AQ8202 expander frames
Maximum Modules Class	up to 40 with expanders
Serial Interfaces For AQ82	4
GPIO Interface	IEEE 488.2 compatible
VGA Interface	D sub 15 pin
Power Requirements	AC 100 to 120 or 200 to 240 V plus or minus 10 percent 50/60 Hz
Power Consumption Maximum	30 VA
Operating Temperature	5 to 40 C
Storage Temperature	0 to 50 C
Humidity	85 percent RH or less noncondensing
Overvoltage Category	II
Contamination Level	2
Maximum Altitude	2000 m
Dimensions Approx WxHxD	425 × 132.5 × 110 mm
Mass Approx	4 kg
Display Class	6.5 inch TFT color LCD
Form Factor	3U class rack controller
Rack Mount Option	19 inch rack mount kit A 132.5
Remote Interlock	Short plug and connecting plug accessories
Series Family	AQ8200 / AQ8202

AQ8202A1 Specifications

PARAMETER	VALUE
Applications	Central control of multi-frame AQ8202 optical test systems, automated WDM device evaluation, and rack optical modular instrument control.
Key Features	Controls up to 40 modules with expanders
VGA display interface	Four AQ8202 serial expansion ports
Technical Specifications	Instrument Type: System controller
Notes	From Ando/Yokogawa AQ8200 Series specifications for AQ8202-01 System Controller (slug alias ando-aq8202-a1).

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
Overvoltage Category	II
Contamination Level	2
Maximum Altitude	2000 m
Dimensions Approx WxHxD	425 × 132.5 × 110 mm
Mass Approx	4 kg
Display Class	6.5 inch TFT color LCD
Form Factor	3U class rack controller
Rack Mount Option	19 inch rack mount kit A 132.5
Remote Interlock	Short plug and connecting plug accessories
Series Family	AQ8200 / AQ8202 Notes From Ando/Yokogawa AQ8200 Series specifications for AQ8202-01 System Controller (slug alias ando-aq8202-a1).

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 list IEEE-488.2 GPIB, VGA output, four serial interfaces for AQ8202 connection, AC 100 to 120 / 200 to 240 V at max 30 VA, and approximately 425 x 132.5 x 110 mm dimensions at about 4 kg.

Applications

Central control of multi-frame AQ8202 optical test systems, automated WDM device evaluation, and rack optical modular instrument control.

Key Features

Controls up to 40 modules with expanders

IEEE 488.2 GPIB

VGA display interface

Four AQ8202 serial expansion ports

6.5 inch TFT color LCD class system UI

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Type	System controller
Model	AQ8202-01
Expander Compatibility	AQ8202 expander frames
Maximum Modules Class	up to 40 with expanders
Serial Interfaces For AQ8202	4
GPIB Interface	IEEE 488.2 compatible
VGA Interface	D sub 15 pin
Power Requirements	AC 100 to 120 or 200 to 240 V plus or minus 10 percent 50/60 Hz
Power Consumption Maximum	30 VA
Operating Temperature	5 to 40 C
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Dimensions Approx WxHxD	425 x 132.5 x 110 mm
Mass Approx	4 kg
Display Class	6.5 inch TFT color LCD
Form Factor	3U class rack controller
Rack Mount Option	19 inch rack mount kit A 132.5

PARAMETER	VALUE
Remote Interlock	Short plug and connecting plug accessories
Series Family	AQ8200 / AQ8202

Notes
From Ando/Yokogawa AQ8200 Series specifications for AQ8202-01 System Controller (slug alias ando-aq8202-a1).

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.