

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ANDO

Ando AQ8202-01 System Controller

Ando AQ8202-01 System Controller for AQ8200 Optical Test System The Ando (Yokogawa) AQ8202-01 is the system controller for the AQ8200 modular optical test platform. It connects up to four AQ8202 expander frames (10 modules each) for control of up to 40 plug-in modules, with a 6.5-inch TFT color LCD, rotary knob, GP-IB, serial expansion ports, and VGA output for rack-based multi-module optical source, attenuator, switch, and power-meter systems. The Ando (Yokogawa) AQ8202-01 is the system controller for the AQ8200 modular optical test platform. It connects up to four AQ8202 expander frames (10 modules each) for control of up to 40 plug-in modules, with a 6.5-inch TFT color LCD, rotary knob, GP-IB, serial expansion ports, and VGA output for rack-based multi-module optical source, attenuator, switch, and power-meter systems.



MODEL

Ando AQ8202-01

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8202-01

LISTING

<https://aumictechlabs.com/products/aq8202-01-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ8202-01 System Controller is the centralized command and management hub for the AQ8200 Series Optical Test and Measurement System. It has integrated control over multiple measurement modules, enabling complex data acquisition and optical characterization for DWDM component testing, including MUX/DEMUX, AWG, and EDFA devices. The controller supports up to 40 modules when linked with AQ8202 Expander Frames, with direct mounting capacity for 10

modules within its own chassis. A 6.5-inch TFT color LCD display, rotary knobs, and operation switches enable intuitive module adjustment and real-time monitoring. Designed for 19-inch rack mounting, the AQ8202-01 integrates GPIB (IEEE-488.2) and serial interfaces for system automation and remote control.

Technical Specifications

Maximum Controllable Modules: 40 modules (with up to four AQ8202 Expander Frames) Direct Module Mounting Capacity: 10 modules per controller unit Display: 6.5-inch TFT color LCD Interfaces: GPIB (IEEE-488.2), serial, VGA (D-sub 15-pin) Power Input: AC 100–120 V ($\pm 10\%$) / 200–240 V ($\pm 10\%$), 50/60 Hz, 30 VA maximum Operating Temperature: 5 to 40 °C Storage Temperature: 0 to 50 °C Humidity: $\leq 85\%$ RH (non-condensing) Maximum Altitude: 2000 m Dimensions: 425 (W) $\times$ 132.5 (H) $\times$ 110 (D) mm Mass: Approximately 4 kg

Key Features

- Four Expander Frame slots for modular expansion to 40 controllable modules
- Remote interlock connector for safety compliance
- Overvoltage Category II rating
- Contamination Level 2 rated

Typical Applications

- DWDM optical component characterization
- Wavelength-division multiplexer and demultiplexer testing
- Arrayed waveguide grating (AWG) measurement
- Erbium-doped fiber amplifier (EDFA) validation
- Multi-module optical source, attenuation, and power measurement systems

Compatibility & Integration

- Compatible with AQ8201 series measurement modules (optical sources, attenuators, power meters, switches, couplers, return loss modules)
- Supports connection to AQ8203 and AQ8204 units via serial interface
- LabVIEW driver support available for software integration

Features & description

From manufacturer datasheet

Features

- Controls up to 40 modules via up to four AQ8202 expanders
- 6.5-inch TFT color LCD with simultaneous 10-slot display
- Rotary knob and softkeys for module setup
- IEEE-488.2 GP-IB remote control
- Four serial interfaces for AQ8202 expanders
- VGA monitor output and remote interlock

Applications

- Central control of AQ8202 expander frames in optical ATE
- Multi-module WDM source attenuator switch and OPM racks
- GP-IB automated optical component characterization
- Lab and production optical modular test systems

AQ8202 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ8202-01
Manufacturer	Ando / Yokogawa
Instrument Type	Optical Test System Controller
Alias	AQ8202-01; Ando AQ8202-01 System Controller
Maximum modules controlled	40
Maximum expander frames	4 AQ8202 units
Modules per expander	10
Display	6.5 inch TFT color LCD
Serial interfaces for expanders	4
GPIO interface	IEEE 488.2 compatible
VGA interface	D-sub 15 pin
Power requirements	AC 100 to 120 / 200 to 240 V plus or minus 10 percent
Line frequency	50/60 Hz
Maximum power consumption	30 VA
Operating temperature	5 to 40 C
Storage temperature	0 to 50 C
Humidity	85 percent RH or less no condensation
Overvoltage category	II
Contamination level	2
Maximum altitude	2000 m
Dimensions	about 425 mmWx 132.5 mmHx 110 mmDMass: about 4 kg
Remote interlock	short plug and connecting plug included
Rack option	19 inch rack mount kit A 132.5 mm
Compatible expanders	AQ8202
Compatible modules family	AQ8201 series light sources ATTN OPM OSW

PARAMETER	VALUE
Related halfsize frame	AQ8203 up to 43 modules with expanders
Related frame controller	AQ8204 up to 48 modules with expanders
Optical output control	supported for laser modules via controller UI Notes Specs from Ando/Yokogawa AQ8200 Series specifications for AQ8202-01 System Controller. Confirm expander cabling, GP-IB address, and installed module inventory.

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 no condensation
Overvoltage category	II
Contamination level	2
Maximum altitude	2000 m
Dimensions	about 425 mmWx 132.5 mmHx 110 mmDMass: about 4 kg
Remote interlock	short plug and connecting plug included
Rack option	19 inch rack mount kit A 132.5 mm
Compatible expanders	AQ8202
Compatible modules family	AQ8201 series light sources ATTN OPM OSW
Related halfsize frame	AQ8203 up to 43 modules with expanders
Related frame controller	AQ8204 up to 48 modules with expanders
Optical output control	supported for laser modules via controller UI Notes Specs from Ando/Yokogawa AQ8200 Series specifications for AQ8202-01 System Controller. Confirm expander cabling, GP-IB address, and installed module inventory.

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	
Technical Specifications	
PARAMETER	VALUE
Model	AQ8202-01
Manufacturer	Ando / Yokogawa
Instrument Type	Optical Test System Controller
Alias	AQ8202-01; Ando AQ8202-01 System Controller
Maximum modules controlled	40
Maximum expander frames	4 AQ8202 units
Modules per expander	10
Display	6.5 inch TFT color LCD
Serial interfaces for expanders	4
GPIB interface	IEEE 488.2 compatible
VGA interface	D-sub 15 pin
Power requirements	AC 100 to 120 / 200 to 240 V plus or minus 10 percent
Line frequency	50/60 Hz
Maximum power consumption	30 VA
Operating temperature	5 to 40 C
Storage temperature	0 to 50 C
Humidity	85 percent RH or less no condensation
Overvoltage category	II
Contamination level	2
Maximum altitude	2000 m
Dimensions	about 425 mm W x 132.5 mm H x 110 mm D
Mass	about 4 kg
Remote interlock	short plug and connecting plug included
Rack option	19 inch rack mount kit A 132.5 mm
Compatible expanders	AQ8202
Compatible modules family	AQ8201 series light sources ATTN OPM OSW

PARAMETER	VALUE
Related halfsize frame	AQ8203 up to 43 modules with expanders
Related frame controller	AQ8204 up to 48 modules with expanders
Optical output control	supported for laser modules via controller UI

Specifications

PARAMETER	VALUE
Model	AQ8202-01
Manufacturer	Ando / Yokogawa
Instrument Type	Optical Test System Controller
Alias	AQ8202-01; Ando AQ8202-01 System Controller
Maximum modules controlled	40
Maximum expander frames	4 AQ8202 units
Modules per expander	10
Display	6.5 inch TFT color LCD
Serial interfaces for expanders	4
GPIB interface	IEEE 488.2 compatible
VGA interface	D-sub 15 pin
Power requirements	AC 100 to 120 / 200 to 240 V plus or minus 10 percent
Line frequency	50/60 Hz
Maximum power consumption	30 VA
Operating temperature	5 to 40 C
Storage temperature	0 to 50 C
Humidity	85 percent RH or less no condensation
Overvoltage category	II
Contamination level	2
Maximum altitude	2000 m
Dimensions	about 425 mmWx 132.5 mmHx 110 mmDMass: about 4 kg
Remote interlock	short plug and connecting plug included
Rack option	19 inch rack mount kit A 132.5 mm
Compatible expanders	AQ8202
Compatible modules family	AQ8201 series light sources ATTN OPM OSW
Related halfsize frame	AQ8203 up to 43 modules with expanders
Related frame controller	AQ8204 up to 48 modules with expanders

PARAMETER

VALUE

Optical output control

supported for laser modules via controller UI

Notes

Specs from Ando/Yokogawa AQ8200 Series specifications for AQ8202-01 System Controller. Confirm expander cabling, GP-IB address, and installed module inventory.

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.