

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ2200-211

The Ando AQ2200-211 is a high-sensitivity optical sensor module for long-wavelength power measurement within the AQ2200 Multi Application Test System. Installed in compatible AQ2200 series frame controllers, it delivers high-speed, high-accuracy optical power measurements across multiple channels with exceptional polarization stability. The module captures power fluctuations at 100 μ s data acquisition intervals and stores up to 20,000 data points per channel, enabling detailed characterization of dynamic optical signals. Compatibility & Integration The AQ2200-211 integrates with AQ2200 series frame controllers including AQ2201 and AQ2202 models. An AQ2200-202 Interface Module may be required for certain system configurations. Direct connection to USB enables data logging and system integration without external acquisition hardware. Aumictech offers NIST-traceable calibration and repair



MODEL

Ando AQ2200-211

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2200-211

LISTING

<https://aumictechlabs.com/products/aq2200-211-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ2200-211 is a high-sensitivity optical sensor module for long-wavelength power measurement within the AQ2200 Multi Application Test System. Installed in compatible AQ2200 series frame controllers, it delivers high-speed, high-accuracy optical power measurements across multiple channels with exceptional polarization stability. The module captures power fluctuations at 100 μ s data acquisition intervals and stores up to 20,000 data points per channel,

enabling detailed characterization of dynamic optical signals.

Technical Specifications
Measurement Range: +10 dBm to –80 dBm Data Acquisition Interval: 100 μ s minimum Data Storage Capacity: 20,000 data points per channel Polarization Dependence: 0.005 dBp-p or less Analog Output: D/A conversion at 100 μ s intervals (not direct analog amplified output) Data Interface: USB storage for acquired data

Key Features Simultaneous multi-channel optical power measurement capability Low polarization dependence enables accurate PDL assessment High temporal resolution resolves fast power transients Substantial onboard storage eliminates frequent data offload requirements during extended measurements

Typical Applications Optical component characterization and validation Multi-wavelength signal power profiling Polarization-dependent loss (PDL) evaluation Dynamic optical signal monitoring and analysis

Compatibility & Integration The AQ2200-211 integrates with AQ2200 series frame controllers including AQ2201 and AQ2202 models. An AQ2200-202 Interface Module may be required for certain system configurations. Direct connection to USB enables data logging and system integration without external acquisition hardware.

Features & description

From manufacturer datasheet

Polarization Dependence: 0.005 dBp-p or less

Linearity: plus or minus 0.015 dB plus or minus 0.2 pW Noise Level: 0.2 pW or less Averaging Time Minimum: 100 us Optical Connector Adapter: AQ9447 Logging Memory Class: up to 20000 data points per channel on platform Synchronized Sampling Class: 100 us class with all installed sensors Analog Output: flexible analog output settings on module family Stability Function: stability measurement function Min Max Function: MIN/MAX/DEF measurement function Discontinued Date: 3 March 2012 per Yokogawa product notice Connector Suffix Examples: FCC FC and SCC SC AQ9447 adapters Notes From Yokogawa AQ2200-211 product page and Bulletin AQ2200-20EN sensor module table. Chop range shown as minus 110 to plus 7 dBm on OEM; some HTML tables omit the minus sign on the chop row.

AQ2200211 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ2200-211
Function	high sensitivity long wavelength optical sensor module
Host Platform	AQ2200 series frame controllers
Number Of Channels	1
Detector Type	InGaAs
Wavelength Range	700 to 1700 nm
Power Range CW	minus 110 to plus 10 dBm
Power Range Chop Light	minus 110 to plus 7 dBm
Applicable Fiber	less than or equal to 62.5/125 um GI NA less than or equal to 0.275
Uncertainty Under Reference Conditions	plus or minus 2 percent
Total Uncertainty	plus or minus 3.5 percent plus or minus 0.5 pW
Polarization Dependence	0.005 dBp-p or less
Linearity	plus or minus 0.015 dB plus or minus 0.2 pW
Noise Level	0.2 pW or less
Averaging Time Minimum	100 us
Optical Connector Adapter	AQ9447
Logging Memory Class	up to 20000 data points per channel on platform
Synchronized Sampling Class	100 us class with all installed sensors
Analog Output	flexible analog output settings on module family
Stability Function	stability measurement function
Min Max Function	MIN/MAX/DEF measurement function
Discontinued Date	3 March 2012 per Yokogawa product notice
Connector Suffix Examples	FCC FC and SCC SC AQ9447 adapters

AQ2200211 Specifications

PARAMETER	VALUE
Applications	High sensitivity SMF/MMF optical power monitoring, PDL related measurements, and synchronized multi sensor logging in AQ2200 frames.
Key Features	InGaAs high sensitivity sensor to minus 110 dBm
Technical Specifications	Model: AQ2200-211

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.