

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ2200-222 800-1700nm Dual Sensor Module

The Yokogawa AQ2200-222 is a dual sensor module designed for the AQ2200 Multi Application Test System. It operates in the 800-1700nm wavelength range, making it suitable for a variety of optical communication applications. This module allows for simultaneous measurement of optical power and wavelength, enhancing testing efficiency.



MODEL

**Yokogawa
AQ2200-222**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2200-222

LISTING

<https://aumictechlabs.com/products/aq2200-222-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa AQ2200-222 is a dual-channel optical power measurement module for the AQ2200 Multi Application Test System. Operating across 800–1700 nm, it delivers simultaneous measurements from two independent sensors within a single slot, enabling cost-effective multi-port configurations. With a minimum sampling period of 100 μ s and low polarization dependency, the module addresses high-throughput testing demands across optical communication applications. Technical Specifications Wavelength Range: 800–1700 nm Power Range: –90 to +15 dBm Minimum Sampling Period: 100 μ s Number of Channels: 2 (dual sensors) Polarization Dependency: Low Slot Occupancy: 1 slot (AQ2200 Frame Controller) Key Features Dual independent sensors in a single-slot module High-speed sampling at 10 kHz minimum rate (100 μ s

period) Simultaneous dual-channel measurement capability Low polarization-dependent loss characteristics Multi-connector support: FC, SC, MU, and LC compatibility Typical Applications Optical power measurement in WDM and DWDM systems Multi-port component testing in manufacturing and field environments Broadband optical communication system characterization Cost-optimized test setups requiring simultaneous dual-channel acquisition Compatibility & Integration The AQ2200-222 integrates with AQ2211 and AQ2212 Frame Controllers, enabling flexible modular system assembly. Combines with other AQ2200 series modules - light sources, attenuators, and switches - to build customized measurement systems. Compatible with broader Yokogawa optical communication test instruments for expanded measurement capability.

Features & description

From manufacturer datasheet

Polarization Dependency: low (production sensor class)

Slot Width: 1 slot Maximum Input Power: +15 dBm (per AQ2200 sensor family) Applicable Fiber: SM and MM (adapter dependent) Measurement Units: dBm, mW (absolute and relative) Communication: via AQ2200 frame Operating Temperature: +5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ2200-222 Linearity: per AQ2200 sensor module specification Uncertainty: +/-5% under standard conditions Wavelength Calibration: internal per frame Notes Specs from Yokogawa AQ2200-222 product page and AQ2200 series datasheet. Requires AQ2212 or compatible frame controller.

AQ2200222 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ2200-222
Manufacturer	Yokogawa
Instrument Type	Dual Optical Power Sensor Module
Series	AQ2200 Multi Application Test System
Platform	AQ2200/AQ2212 frame controller required
Sensor Channels	2
Wavelength Range	800 to 1700 nm
Power Range	-90 to +15 dBm
Minimum Sampling Period	100 us
Single Range Span	30 dB
Optical Connectors	FC, SC, MU, LC (via AQ9335C adapters)
Analog Output	per module specification
Polarization Dependency	low (production sensor class)
Slot Width	1 slot
Maximum Input Power	+15 dBm (per AQ2200 sensor family)
Applicable Fiber	SM and MM (adapter dependent)
Measurement Units	dBm, mW (absolute and relative)
Communication	via AQ2200 frame
Operating Temperature	+5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ2200-222
Linearity	per AQ2200 sensor module specification
Uncertainty	+/-5% under standard conditions
Wavelength Calibration	internal per frame Notes Specs from Yokogawa AQ2200-222 product page and AQ2200 series datasheet. Requires AQ2212 or compatible frame controller.
Storage temperature	10 to +50 degC Alias: AQ2200-222

AQ2200222 Specifications

PARAMETER	VALUE
Applications	Optical transceiver and laser production testing; multi-port power monitoring; combined systems with AQ2200 attenuators and switches.
Technical Specifications	Model: AQ2200-222
Notes	Specs from Yokogawa AQ2200-222 product page and AQ2200 series datasheet. Requires AQ2212 or compatible frame controller.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	10 to +50 degC Alias: AQ2200-222
Operating temperature	+5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ2200-222
Operating Temperature	+5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ2200-222
Linearity	per AQ2200 sensor module specification
Uncertainty	+/-5% under standard conditions
Wavelength Calibration	internal per frame Notes Specs from Yokogawa AQ2200-222 product page and AQ2200 series datasheet. Requires AQ2212 or compatible frame controller.

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
Model	AQ2200-222
Manufacturer	Yokogawa
Instrument Type	Dual Optical Power Sensor Module
Specifications	
PARAMETER	VALUE
Series	AQ2200 Multi Application Test System
Platform	AQ2200/AQ2212 frame controller required
Sensor Channels	2
Specifications	
PARAMETER	VALUE
Wavelength Range	800 to 1700 nm
Power Range	-90 to +15 dBm
Minimum Sampling Period	100 us
Specifications	
PARAMETER	VALUE
Single Range Span	30 dB
Optical Connectors	FC, SC, MU, LC (via AQ9335C adapters)
Analog Output	per module specification
Specifications	
PARAMETER	VALUE
Polarization Dependency	low (production sensor class)
Slot Width	1 slot
Maximum Input Power	+15 dBm (per AQ2200 sensor family)

Specifications

PARAMETER	VALUE
Applicable Fiber	SM and MM (adapter dependent)
Measurement Units	dBm, mW (absolute and relative)
Communication	via AQ2200 frame

Specifications

PARAMETER	VALUE
Operating Temperature	+5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ2200-222
Linearity	per AQ2200 sensor module specification
Uncertainty	+/-5% under standard conditions

Wavelength Calibration: internal per frame

Notes

Specs from Yokogawa AQ2200-222 product page and AQ2200 series datasheet. Requires AQ2212 or compatible frame controller.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.