

**Aumictech**

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Data Sheet

August 3, 2026

ANDO

Ando AQ-2109 Power Sensor Interface Module

Chop Frequency: approximately 271 Hz (internal) Sensor Compatibility: Ando AQ-27xx power sensor modules (e.g., AQ-2715) Install only incompatible Ando modular OPM mainframe slot. Connect the matching power sensor and adapters. Observe sensor wavelength and power limits. AQ-2109 is the interface/OPM unit—not a standalone meter or the sensor itself. Confirm AQ-2105/AQ-2109/sensor combination on inventory. Alias AQ2109. Sensor Compatibility: Ando AQ-27xx power sensor modules (e.g., AQ-2715) Install only incompatible Ando modular OPM mainframe slot. Connect the matching power sensor and adapters. Observe sensor wavelength and power limits. AQ-2109 is the interface/OPM unit—not a standalone meter or the sensor itself. Confirm AQ-2105/AQ-2109/sensor combination on inventory. Alias AQ2109.



MODEL

Ando AQ-2109

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ-2109

LISTING

<https://aumictechlabs.com/products/aq-2109-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ-2109 is a single-slot optical power meter plug-in unit designed to interface with optical power meter mainframes. This module operates with an internal chop frequency of 270 Hz and integrates into the Ando AQ-2105 mainframe and compatible systems. Flexible power input supports both commercial AC outlets and DC power supplies, enabling deployment in laboratory, field, and remote measurement environments. The AQ-2109 incorporates GPIB remote interface capability for automated control and data acquisition when integrated with a compatible

mainframe. Technical Specifications Chop Frequency: 270 Hz internal Form Factor: Single-slot plug-in module Power Input: AC (commercial outlet) and DC power supplies Remote Interface: GPIB (General Purpose Interface Bus) Sensor Input Ports: 1 port for power sensor connection Measurement Range (with AQ-2715 sensor): -90 to 0 dBm at 1300 nm Wavelength Range (with AQ-2715 sensor): 750-1700 nm Key Features Dual AC/DC power operation eliminates dependency on fixed facility power infrastructure Accessible menu configuration located on unit underside Single-port sensor interface for straightforward integration GPIB remote control enables system automation and remote measurement Modular plug-in architecture supports flexible mainframe-based configurations Typical Applications Optical power measurement in fiber optic networks Field-based and outdoor power characterization Laboratory optical system validation Integration within multi-module measurement systems Compatibility & Integration The AQ-2109 is engineered as a plug-in module for the Ando AQ-2105 optical power meter mainframe and other compatible Ando/Yokogawa systems. When combined with mainframe units and light source modules, it forms a compact measurement platform that consolidates functions typically requiring separate instruments. Connector adapters and bare fiber adapters are available to accommodate diverse fiber optic interface requirements.

Features & description

From manufacturer datasheet

Features

- Single-slot OPM / power sensor interface unit
- Power sensor input port
- Internal chop frequency approximately 271 Hz
- Plug-in module for Ando AQ-2105-class 2-slot mainframes
- Pairs with AQ-2715 / AQ-27xx power sensor modules

AQ2109 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ-2109 (AQ2109)
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Power Sensor Interface / OPM Plug-in Module
Mainframe Family	AQ-2105 / related Ando modular optical power meters
Slot Width	1 slot
Chop Frequency	approximately 271 Hz (internal)
Sensor Compatibility	Ando AQ-27xx power sensor modules (e.g., AQ-2715)
Alias	AQ-2109, AQ2109 Standard Operating Conditions Install only incompatible Ando modular OPM mainframe slot. Connect the matching power sensor and adapters. Observe sensor wavelength and power limits. Operational Notes AQ-2109 is the interface/OPM unit—not a standalone meter or the sensor itself. Confirm AQ-2105/AQ-2109/sensor combination on inventory. Alias AQ2109.

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	AQ-2109 (AQ2109)
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Power Sensor Interface / OPM Plug-in Module
Mainframe Family	AQ-2105 / related Ando modular optical power meters
Slot Width	1 slot
Chop Frequency	approximately 271 Hz (internal)
Sensor Compatibility	Ando AQ-27xx power sensor modules (e.g., AQ-2715)
Alias	AQ-2109, AQ2109

Standard Operating Conditions

Install only incompatible Ando modular OPM mainframe slot. Connect the matching power sensor and adapters. Observe sensor wavelength and power limits.

Operational Notes

AQ-2109 is the interface/OPM unit-notastandalone meter or the sensor itself. Confirm AQ-2105/AQ-2109/sensor combination on inventory. Alias AQ2109.

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.