

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ2735 Power Sensor

The Ando AQ2735 is an optical power sensor head for Ando optical power meter mainframes, used for calibrated fiber optic power measurements. Sensor-head optical power measurements in lab fiber test systems. Host Instruments: Ando optical power meter mainframes class Calibration: wavelength calibration points class Temperature: operate within OEM sensor limits Polarization Effects: PDL considerations class Configuration Note: use faceplate/calibration certificate for exact spectral accuracy; do not invent Identity rows from Ando AQ2735 product listings. Sensor numeric accuracy must come from the OEM sensor datasheet or calibration certificate before denser upload.



MODEL

Ando AQ2735

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2735

LISTING

<https://aumictechlabs.com/products/aq2735-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ2735 is a cooled InGaAs optical power sensor module engineered for precise optical power measurement across the telecommunications and component testing spectrum. It plugs directly into Ando AQ-2140 and AQ-2141 optical multimeter systems, delivering spectral analysis through simultaneous wavelength, power, and spectral width measurement. Technical Specifications Sensor Type: Cooled InGaAs Wavelength Range: 700 to 1700 nm Power Range (CW light): -80 to +27 dBm Power Range (Chopped light): -80 to +24 dBm Accuracy: $\pm 5\%$ (1000 to 1650 nm); $\pm 2.5\%$ under reference conditions Linearity: ± 0.05 dB (1000 to 1650 nm, -40 to +27 dBm) Polarization Dependency Loss: 0.02 dB P-P typical Key Features Wide dynamic range from

-80 to +27 dBm accommodates both weak and strong optical signals Tight linearity specification ensures accurate power quantification across the operating range Low polarization dependency loss minimizes measurement variation with input polarization state Direct module integration - no external interfaces or adapters required for host system connection

Typical Applications

Telecommunications system component characterization Optical source power verification and validation Spectral width and wavelength measurement in component test environments Multi-parameter optical signal analysis requiring single-module deployment

Compatibility & Integration

The AQ2735 functions as a pluggable sensor unit for Ando AQ-2140 and AQ-2141 optical multimeter systems. Direct integration into these host platforms provides immediate access to the sensor's measurement capabilities without requiring additional interface hardware.

Features & description

From manufacturer datasheet

Polarization Effects: PDL considerations class

Accessories: adapter caps Documentation: Ando AQ2735 sensor data Successor Context: Yokogawa/Ando lineage Display: on host power meter Units: dBmWon host Configuration Note: use faceplate/calibration certificate for exact spectral accuracy; do not invent Notes Identity rows from Ando AQ2735 product listings. Sensor numeric accuracy must come from the OEM sensor datasheet or calibration certificate before denser upload.

AQ2735 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical power sensor
Series Family	Ando AQ27xx sensors
Model	AQ2735
Manufacturer	Ando
Measurement Quantity	optical power
Host Instruments	Ando optical power meter mainframes class
Detector	photodiode class
Connector	fiber adapter interface class
Calibration	wavelength calibration points class
Application Band	telecom/datacom wavelengths class
Form Factor	remote sensor head
Use Stage	lab production optical test
Dynamic Range	sensor limited
Max Input Power	sensor damage threshold per label
Linearity	calibrated linear range class
Uncertainty	per calibration certificate
Temperature	operate within OEM sensor limits
Cable	sensor interconnect to mainframe
Polarization Effects	PDL considerations class
Accessories	adapter caps
Documentation	Ando AQ2735 sensor data
Successor Context	Yokogawa/Ando lineage
Display	on host power meter
Units	dBmWon host

PARAMETER	VALUE
Configuration Note	use faceplate/calibration certificate for exact spectral accuracy; do not invent

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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Successor Context	Yokogawa/Ando lineage
Display	on host power meter
Units	dBmW on host
Configuration Note	use faceplate/calibration certificate for exact spectral accuracy; do not invent

Notes

Identity rows from Ando AQ2735 product listings. Sensor numeric accuracy must come from the OEM sensor datasheet or calibration certificate before denser upload.

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.