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Data Sheet

August 14, 2026

ANDO

Ando AQ2730 OPM Unit

Ando AQ2730 Optical Amplifier / EDFA Instrument The Ando AQ2730 is an optical amplifier instrument in the Ando AQ273x family used for EDFA and optical amplifier characterization or as a benchtop EDFA source. OEM AQ273x documentation lists multi-wavelength pump architectures, gain and output power controls, and telecom C-band class operation. EDFA characterization, optical amplifier stimulus, and telecom optical power boosting in lab setups.

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Instrument Type: Optical amplifier / EDFA instrument Wavelength Band Class: C band telecom class



MODEL

Ando AQ2730

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2730

LISTING

<https://aumictechlabs.com/products/aq2730-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ2730 OPM Unit is a precision optical power meter engineered for quantitative analysis of optical signals across a broad wavelength range. It delivers high measurement accuracy with minimal polarization dependence, making it suitable for R&D, fiber manufacturing,

and network deployment and maintenance environments where reliable optical characterization is critical.

Technical Specifications

- Wavelength Range: 750 to 1800 nm
- Power Range (CW Light): -60 to +10 dBm
- Power Range (Chopped Light): -70 to +7 dBm
- Noise Floor (CW Light): -53 dBm or less
- Noise Floor (Chopped Light): -63 dBm or less

Key Features

- Low polarization dependence minimizes measurement variability across signal orientations
- Supports both continuous-wave and chopped-light measurement modes
- Wide dynamic range accommodates weak and moderate-power optical signals
- Intuitive operation reduces setup complexity in field and laboratory settings

Typical Applications

- Optical component testing and characterization
- Fiber-optic network installation and commissioning
- Optical power monitoring during manufacturing processes
- Laboratory research requiring multiwavelength optical analysis

Compatibility & Integration

The AQ2730 integrates with the Ando sensor ecosystem via dedicated optical head interfaces. Compatible sensor units include AQ2731, AQ2732, AQ2733, AQ2734, AQ2735, AQ2741, AQ2742, and AQ2743. Standard connector adapters support FC, SC, ST, DIN, and HMS-10/A configurations. Optional GP-IB interface capability enables remote instrument control and automated data logging within larger measurement systems.

Features & description

From manufacturer datasheet

Polarization Dependence Class: Specified PDG class

Gain Flatness Class: Specified gain flatness class Notes From Ando AQ2730 OEM/family optical amplifier documentation. Confirm exact gain, output power, and noise figure on the unit datasheet.

AQ2730 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical amplifier / EDFA instrument
Wavelength Band Class	C band telecom class
Gain Range Class	Programmable gain class per AQ2730 datasheet
Output Power Class	High output power EDFA class
Noise Figure Class	Specified EDFA noise figure class
Pump Architecture Class	Multi pump laser architecture class
Remote Interface	GPIB
Form Factor	Benchtop optical amplifier
Input Connector Class	Fiber optic input with adapter
Output Connector Class	Fiber optic output with adapter
Fiber Type	Single mode
Series Family	Ando AQ2730
Applications Class	EDFA characterization and optical boost
Calibration	Optical power calibration support class
Operating Temperature Class	Standard lab
Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Safety	Optical amplifier safety interlock class
Monitoring	Input output power monitors class
Alarms	Pump and temperature alarms class
Polarization Dependence Class	Specified PDG class
Gain Flatness Class	Specified gain flatness class
Operating temperature	Class: Standard lab

AQ2730 Specifications

PARAMETER	VALUE
Ando AQ2730 Optical Amplifier / EDFA Instrument	Overview
Technical Specifications	Instrument Type: Optical amplifier / EDFA instrument
Notes	From Ando AQ2730 OEM/family optical amplifier documentation. Confirm exact gain, output power, and noise figure on the unit datasheet.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
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Operating Temperature Class	Standard lab
Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Safety	Optical amplifier safety interlock class
Monitoring	Input output power monitors class
Alarms	Pump and temperature alarms class
Polarization Dependence Class	Specified PDG class
Gain Flatness Class	Specified gain flatness class Notes From Ando AQ2730 OEM/family optical amplifier documentation. Confirm exact gain, output power, and noise figure on the unit datasheet.

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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Notes	
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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

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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.