

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ2732 700-1700nm Optical Power Sensor Module

Ando AQ2732 Optical Amplifier / EDFA Instrument The Ando AQ2732 is an optical amplifier instrument in the Ando AQ273x family for EDFA characterization and telecom optical boosting. OEM AQ273x documentation lists programmable gain/output controls and C-band class operation with GPIB remote control. EDFA characterization, optical amplifier stimulus, and telecom optical power boosting in lab setups. Instrument Type: Optical amplifier / EDFA instrument The Ando AQ2732 is an optical amplifier instrument in the Ando AQ273x family for EDFA characterization and telecom optical boosting. OEM AQ273x documentation lists programmable gain/output controls and C-band class operation with GPIB remote control. EDFA characterization, optical amplifier stimulus, and telecom optical power boosting in lab setups. Instrument Type: Optical amplifier / EDFA instrument Wavelength Band Class: C band telecom class



MODEL

Ando AQ2732

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2732

LISTING

<https://aumictechlabs.com/products/aq2732-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ2732 is a precision optical power sensor module engineered for accurate measurements across the 700 nm to 1700 nm spectral range. Built on an InGaAs photoreceptor, it delivers reliable power readings in continuous-wave and chopped signal modes - essential for

optical communication system testing, laser diode characterization, and quality control workflows. The module combines wide dynamic range with tight accuracy specifications, making it suitable for both development environments and production monitoring.

Technical Specifications

Wavelength Range: 700 nm to 1700 nm Photoreceptor: InGaAs Power Range (CW): -80 dBm to +10 dBm Power Range (Chopped): -90 dBm to +7 dBm Power Range (Optical Fiber Emission): -73 dBm to +10 dBm; -93 dBm to +10 dBm Total Accuracy: $\pm 5\%$ (1000 nm to 1600 nm) Accuracy (Reference): $\pm 2.5\%$ Linearity: ± 0.05 dB Polarization Dependency Loss: 0.02 dB Operating Modes: Continuous Wave (CW) and chopped signal measurement

Key Features

Wide spectral coverage from near-infrared to mid-infrared wavelengths Dual-mode operation accommodates both steady-state and modulated signal sources InGaAs detector technology provides sensitivity across the full measurement range Low polarization-dependent loss ensures consistent readings regardless of signal polarization Tight linearity specification supports high-fidelity power trending and analysis

Typical Applications

Optical communication system testing and performance verification Laser diode power characterization and stability monitoring Research and development in optical component design Production quality control for optical subsystems Optical power monitoring across telecom and datacom wavelengths

Compatibility & Integration

The AQ2732 integrates with Ando optical measurement systems and frames. Optional connector adapters - including the AQ9389B (FC), AQ9335, and AQ9433 - enable connection to common fiber optic terminations such as FC, SC, ST, DIN, and HMS-10/A. Compatible with multimode fiber configurations (OM3 62.5/125 μm).

Features & description

From manufacturer datasheet

Polarization Dependence Class: Specified PDG class

Gain Flatness Class: Specified gain flatness class Notes From Ando AQ2732 OEM/family optical amplifier documentation. Confirm exact gain, output power, and noise figure on the unit datasheet.

AQ2732 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical amplifier / EDFA instrument
Wavelength Band Class	C band telecom class
Gain Range Class	Programmable gain class per AQ2732 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 AQ2732
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

AQ2732 Specifications

PARAMETER	VALUE
Ando AQ2732 Optical Amplifier / EDFA Instrument	Overview
Technical Specifications	Instrument Type: Optical amplifier / EDFA instrument
Notes	From Ando AQ2732 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
Operating Temperature	Class: Standard lab
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 AQ2732 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	
Specifications	
PARAMETER	VALUE
Instrument Type	Optical amplifier / EDFA instrument
Wavelength Band Class	C band telecom class
Gain Range Class	Programmable gain class per AQ2732 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	GPIO
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 AQ2732
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
Notes	
From Ando AQ2732 OEM/family optical amplifier documentation. Confirm exact gain, output power, and noise figure on the unit datasheet.	

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.