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Data Sheet

August 14, 2026

ANDO

Ando AQ2733 700-1700nm Optical Sensor Module

Ando AQ2733 Optical Amplifier / EDFA Instrument The Ando AQ2733 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 AQ2733 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 AQ2733

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2733

LISTING

<https://aumictechlabs.com/products/aq2733-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ2733 is an InGaAs optical sensor module engineered for precision optical power detection across the 700 nm to 1700 nm wavelength band. It delivers accurate measurements in

fiber optic and free-space applications, with measurement ranges extending to -93 dBm and supporting continuous-wave and pulsed optical signals. The module integrates directly into Ando test platforms and the AQ2140 Optical Multimeter Expansion Frame, making it suitable for production test, field verification, and laboratory characterization of optical components and systems.

Technical Specifications

- Sensor Type: InGaAs
- Wavelength Range: 700 nm to 1700 nm
- Power Range: -93 dBm to +10 dBm (optical fiber emission); -80 dBm to +10 dBm (CW light)
- Measurement Accuracy: $\pm 5\%$ (1000 nm to 1600 nm)
- Linearity: ± 0.05 dB (1000 nm to 1600 nm, -50 dBm to +10 dBm)
- Polarization Dependency Loss: 0.02 dB P-P (typical)
- Connector: FC (via AQ9389B adapter)

Key Features

- Wide spectral coverage from 700 nm through 1700 nm supports near-infrared and short-wavelength infrared measurements
- Measurement dynamic range of up to 93 dB enables detection of weak signals in low-loss and high-loss optical paths
- Tight linearity specification of ± 0.05 dB ensures reliable power tracking across the full operating range
- Minimal polarization-dependent loss maintains measurement consistency regardless of input signal polarization
- AQ9389B FC adapter enables direct integration with standard fiber connectors

Typical Applications

- Optical power monitoring in fiber optic communications systems
- Signal verification and characterization in test setups
- Optical device testing and validation
- Research measurements in photonics applications

Compatibility & Integration

The module works with use with Ando optical test platforms and expands the capabilities of the AQ2140 Optical Multimeter Expansion Frame. Connection to fiber optic sources and components is accomplished through the AQ9389B FC connector adapter.

Features & description

From manufacturer datasheet

Polarization Dependence Class: Specified PDG class

Gain Flatness Class: Specified gain flatness class Notes From Ando AQ2733 OEM/family optical amplifier documentation. Confirm exact gain, output power, and noise figure on the unit datasheet.

AQ2733 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical amplifier / EDFA instrument
Wavelength Band Class	C band telecom class
Gain Range Class	Programmable gain class per AQ2733 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 AQ2733
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

AQ2733 Specifications

PARAMETER	VALUE
Ando AQ2733 Optical Amplifier / EDFA Instrument	Overview
Technical Specifications	Instrument Type: Optical amplifier / EDFA instrument
Notes	From Ando AQ2733 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 AQ2733 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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PARAMETER	VALUE
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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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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.