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Data Sheet

August 14, 2026

ANDO

Ando AQ4320A 1480-1580nm Tunable Laser Source

Ando AQ4320A Tunable Laser Source 1480 to 1580 nm The Ando AQ4320A is a high-precision wavelength-variable light source covering 1480 to 1580 nm with continuous sweep and built-in wavelength standard calibration. OEM AQ4320A/B/D datasheet tables list typical plus 10 dBm output, SMSR 50 dB or more (60 dB typ), settable output range 20 dB or more in 0.1 dB steps, and SMF FC/PC interface. WDM and optical amplifier testing, optical component evaluation, and automated GPIB/RS-232 optical stimulus in the extended C-band. The Ando AQ4320A is a high-precision wavelength-variable light source covering 1480 to 1580 nm with continuous sweep and built-in wavelength standard calibration. OEM AQ4320A/B/D datasheet tables list typical plus 10 dBm output, SMSR 50 dB or more (60 dB typ), settable output range 20 dB or more in 0.1 dB steps, and SMF FC/PC interface. WDM and optical amplifier testing, optical component evaluation, and automated GPIB/RS-232 optical stimulus in the extended C-band. Continuous wavelength sweep to 100 nm/s max



MODEL

Ando AQ4320A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ4320A

LISTING

<https://aumictechlabs.com/products/aq4320a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ4320A is a tunable laser source operating across the 1480–1580 nm wavelength band, engineered for optical communications testing, fiber amplifier characterization, and DWDM system evaluation. It delivers wavelength resolution of 0.001 nm with absolute accuracy of ± 0.1 nm and relative accuracy of ± 0.035 nm (typical), supported by wavelength stability of ± 100 MHz/h. Optical output reaches +10 dBm typical at 1550 nm, with power stability of ± 0.01 dB over 5 minutes and ± 0.3 dB over 8 hours. The instrument features a 200 kHz spectral linewidth, -145 dB/Hz RIN, and built-in wavelength calibration. Internal and external modulation modes support frequencies from 0.2 to 300 kHz (internal) and up to 300 MHz (external), while direct modulation accommodates rates up to 5%. Wavelength sweep speed reaches 100 nm/sec maximum. Remote operation via GPIB or RS-232C enables integration into automated test platforms. Output terminates in FC/PC connectors (50 dB return loss minimum) compatible with standard 9/125 μ m SMF. The unit operates from +10 to +35 °C and requires 100–240 VAC, 50/60 Hz, drawing approximately 150 VA.

Technical Specifications

Wavelength range:	1480–1580 nm
Wavelength resolution:	0.001 nm
Absolute wavelength accuracy:	± 0.1 nm
Relative wavelength accuracy:	± 0.035 nm (typical)
Wavelength stability:	± 100 MHz/h (typical)
Optical output:	+10 dBm typical at 1550 nm; +3 dBm minimum (1480–1580 nm)
Power stability:	± 0.01 dB (5 min), ± 0.05 dB (1 h), ± 0.3 dB (8 h)
Output accuracy:	± 1 dB
Output reproducibility:	± 0.04 dB
Output level flatness:	± 0.1 dB
Spectral linewidth:	200 kHz (typical)
RIN:	-145 dB/Hz (typical)
Sweep speed:	100 nm/sec maximum

Key Features

- Internal modulation (0.2–300 kHz) with 10 Hz resolution steps
- External modulation supporting 100 kHz to 300 MHz
- Direct modulation at 5% or less
- FC/PC connector with ≥ 50 dB optical return loss
- GPIB and RS-232C remote control interfaces

Compatibility & Integration

- Compatible with standard 9/125 μ m single-mode fiber
- Operates +10 to +35 °C
- Power: 100–240 VAC, 50/60 Hz, 150 VA typical
- Dimensions: 425 mm (W) $\times$ 177 mm (H) $\times$ 450 mm (D); 20 kg mass

Features & description

From manufacturer datasheet

Built-in wavelength calibration standard

Internal and external CHOP modulation Direct modulation input path High optical output plus 10 dBm typical Technical Specifications Model: AQ4320A Wavelength Range: 1480 to 1580 nm Optical Output Level Typical Peak: plus 10 dBm typ Optical Output 1520 To 1570 nm: plus 7 dBm or more Optical Output 1500 To 1580 nm: plus 5 dBm or more Optical Output 1480 To 1580 nm: plus 3 dBm or more SMSR: 50 dB or more / 60 dB typ Linewidth Class: 200 MHz or more SMSR note band; spectral linewidth 200 kHz typ in reseller summaries citing OEM Settable Optical Output Range: 20 dB or more in 0.1 dB steps Optical Output Stability 5 Min: plus or minus 0.01 dB or less Optical Output Stability 1 H: plus or minus 0.05 dB or less Optical Output Stability 8 H: plus or minus 0.3 dB or less Optical Output Accuracy: plus or minus 1 dB or less Optical Output Reproducibility: plus or minus 0.04 dB Optical Output Level Flatness: plus or minus 0.1 dB at stated conditions RIN: minus 145 dB/Hz typ Internal Modulation CHOP: 0.2 to 300 kHz Wavelength Sweep Speed Max: 100 nm/s Applicable Optical Fiber: SMF 10/125 um Applicable Connector: FC/PC return loss 50 dB or more Operating Temperature: plus 10 to plus 35 C Storage Temperature: minus 10 to plus 50 C

AQ4320A Characteristics / Specifications

PARAMETER	VALUE
Model	AQ4320A
Wavelength Range	1480 to 1580 nm
Optical Output Level Typical Peak	plus 10 dBm typ
Optical Output 1520 To 1570 nm	plus 7 dBm or more
Optical Output 1500 To 1580 nm	plus 5 dBm or more
Optical Output 1480 To 1580 nm	plus 3 dBm or more
SMSR	50 dB or more / 60 dB typ
Linewidth Class	200 MHz or more SMSR note band; spectral linewidth 200 kHz typ in reseller summaries citing OEM
Settable Optical Output Range	20 dB or more in 0.1 dB steps
Optical Output Stability 5 Min	plus or minus 0.01 dB or less
Optical Output Stability 1 H	plus or minus 0.05 dB or less
Optical Output Stability 8 H	plus or minus 0.3 dB or less
Optical Output Accuracy	plus or minus 1 dB or less
Optical Output Reproducibility	plus or minus 0.04 dB
Optical Output Level Flatness	plus or minus 0.1 dB at stated conditions
RIN	minus 145 dB/Hz typ
Internal Modulation CHOP	0.2 to 300 kHz
Wavelength Sweep Speed Max	100 nm/s
Applicable Optical Fiber	SMF 10/125 um
Applicable Connector	FC/PC return loss 50 dB or more
Operating Temperature	plus 10 to plus 35 C
Storage Temperature	minus 10 to plus 50 C
Power Requirements	AC 100 to 120 V or 200 to 240 V 50/60 Hz approx 150 VA
Dimensions	approx 425 W x 177 H x 450 D mm
Mass	approx 20 kg

PARAMETER

VALUE

Linewidth

Class: 200 MHz or more SMSR note band; spectral linewidth 200 kHz
typ in reseller summaries citing OEM

Return loss

50 dB or more

AQ4320A Specifications

PARAMETER	VALUE
Ando AQ4320A Tunable Laser Source 1480 to 1580 nm	Overview
Applications	WDM and optical amplifier testing, optical component evaluation, and automated GPIB/RS-232 optical stimulus in the extended C-band.
Key Features	Continuous wavelength sweep to 100 nm/s max
Direct modulation input path	High optical output plus 10 dBm typical
Technical Specifications	Model: AQ4320A
Notes	From Ando AQ4320A/4320B/4320D datasheet specification table for AQ4320A. Confirm connector option and calibration sticker on the unit.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 10 to plus 50 C
Operating temperature	plus 10 to plus 35 C
Operating Temperature	plus 10 to plus 35 C
Power Requirements	AC 100 to 120 V or 200 to 240 V 50/60 Hz approx 150 VA
Dimensions	approx 425 W x 177 H x 450 D mm
Mass	approx 20 kg Notes From Ando AQ4320A/4320B/4320D datasheet specification table for AQ4320A. Confirm connector option and calibration sticker on the unit.

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	AQ4320A
Wavelength Range	1480 to 1580 nm
Optical Output Level Typical Peak	plus 10 dBm typ
Optical Output 1520 To 1570 nm	plus 7 dBm or more
Optical Output 1500 To 1580 nm	plus 5 dBm or more
Optical Output 1480 To 1580 nm	plus 3 dBm or more
SMSR	50 dB or more / 60 dB typ
Linewidth Class	200 MHz or more SMSR note band; spectral linewidth 200 kHz typ in reseller summaries citing OEM
Settable Optical Output Range	20 dB or more in 0.1 dB steps
Optical Output Stability 5 Min	plus or minus 0.01 dB or less
Optical Output Stability 1 H	plus or minus 0.05 dB or less
Optical Output Stability 8 H	plus or minus 0.3 dB or less
Optical Output Accuracy	plus or minus 1 dB or less
Optical Output Reproducibility	plus or minus 0.04 dB
Optical Output Level Flatness	plus or minus 0.1 dB at stated conditions
RIN	minus 145 dB/Hz typ
Internal Modulation CHOP	0.2 to 300 kHz
Wavelength Sweep Speed Max	100 nm/s
Applicable Optical Fiber	SMF 10/125 um
Applicable Connector	FC/PC return loss 50 dB or more
Operating Temperature	plus 10 to plus 35 C
Storage Temperature	minus 10 to plus 50 C
Power Requirements	AC 100 to 120 V or 200 to 240 V 50/60 Hz approx 150 VA
Dimensions	approx 425 W x 177 H x 450 D mm
Mass	approx 20 kg

Notes

From Ando AQ4320A/4320B/4320D datasheet specification table for AQ4320A. Confirm connector option and calibration sticker on the unit.

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.