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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ4321A 1480-1580nm Tunable Laser Source

The Ando AQ4321A is a tunable laser source for optical component and DWDM testing. OEM TLS documentation emphasizes wide continuous tuning, calibrated output power, and fine wavelength setting for swept-wavelength measurements with OSAs and power meters. Optical filter and component characterization, DWDM source substitution, and swept-wavelength loss measurements. Instrument Family: Ando AQ4321A tunable laser source Output Type: Tunable continuous wave laser Optical filter and component characterization, DWDM source substitution, and swept-wavelength loss measurements. Instrument Family: Ando AQ4321A tunable laser source Output Type: Tunable continuous wave laser Wavelength Coverage Class: C band or wideband TLS class by option



MODEL

Ando AQ4321A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ4321A

LISTING

<https://aumictechlabs.com/products/aq4321a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ4321A is a tunable laser source spanning 1480–1580 nm, engineered for precise wavelength selection and stable optical output in DWDM system testing and component characterization. Absolute wavelength accuracy of ± 15 pm (typical ± 10 pm) and wavelength stability of ± 0.01 MHz/h enable reliable measurement of dense wavelength division multiplexed

networks. A precision motor controls an optical grating at sub-micron resolution, delivering 0.001 nm wavelength set resolution and continuous sweep capability at 100 nm/sec. Internal gas cell absorption calibration ensures traceable, absolute wavelength accuracy across the C-band and extended L-band. Optical output reaches +10 dBm typical at 1550 nm with ± 0.01 dB stability and ± 0.04 dB reproducibility. Side mode suppression exceeds 50 dB. Automatic power control and photodetector monitoring maintain output level flatness within ± 0.1 dB. The instrument connects via FC/PC connectors to single-mode fiber (10/125 μm) and offers full remote control through GPIB or RS-232C interfaces. A 6.4-inch color LCD display and compact 20 kg chassis support laboratory and field deployment. Operating range is +10 to +35°C.

AQ4321A Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Ando AQ4321A tunable laser source
Output Type	Tunable continuous wave laser
Wavelength Coverage Class	C band or wideband TLS class by option
Wavelength Setting Resolution Class	Fine pm class setting
Output Power Range Class	Calibrated leveled optical power
Optical Connector Class	Fiber output with adapter
Spectral Linewidth Class	Narrow linewidth TLS class
SMSR Class	High side mode suppression class
Remote Interface	GPIB
Display	Wavelength and power display
Form Factor	Benchtop
Sweep Modes	Step and continuous tune class
Operating Temperature Class	Standard lab
Series Family	Ando AQ4321
Applications Class	Optical component and DWDM test
Power Stability Class	Specified stability after warmup
Wavelength Accuracy Class	Calibrated wavelength accuracy
Wavelength Repeatability Class	High repeatability
Modulation Class	Optional modulation paths on family
Safety Class	Laser safety classified output
Warmup	Specified warmup to rated accuracy
Reference	Internal wavelength reference class
Wavelength repeatability	Class: High repeatability
Linewidth	Class: Narrow linewidth TLS class
Power stability	Class: Specified stability after warmup

PARAMETER	VALUE
Operating temperature	Class: Standard lab

AQ4321A Specifications

PARAMETER	VALUE
Ando AQ4321A Tunable Laser Source	Overview
Technical Specifications	Instrument Family: Ando AQ4321A tunable laser source
Notes	From Ando AQ4321A tunable laser documentation. Exact tuning band and power vs wavelength depend on options; confirm 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
Series Family	Ando AQ4321
Applications Class	Optical component and DWDM test
Power Stability Class	Specified stability after warmup
Wavelength Accuracy Class	Calibrated wavelength accuracy
Wavelength Repeatability Class	High repeatability
Modulation Class	Optional modulation paths on family
Safety Class	Laser safety classified output
Warmup	Specified warmup to rated accuracy
Reference	Internal wavelength reference class Notes From Ando AQ4321A tunable laser documentation. Exact tuning band and power vs wavelength depend on options; confirm 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 Family	Ando AQ4321A tunable laser source
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Wavelength Coverage Class	C band or wideband TLS class by option
Wavelength Setting Resolution Class	Fine pm class setting
Output Power Range Class	Calibrated leveled optical power
Optical Connector Class	Fiber output with adapter
Spectral Linewidth Class	Narrow linewidth TLS class
SMSR Class	High side mode suppression class
Remote Interface	GPIOB
Display	Wavelength and power display
Form Factor	Benchtop
Sweep Modes	Step and continuous tune class
Operating Temperature Class	Standard lab
Series Family	Ando AQ4321
Applications Class	Optical component and DWDM test
Power Stability Class	Specified stability after warmup
Wavelength Accuracy Class	Calibrated wavelength accuracy
Wavelength Repeatability Class	High repeatability
Modulation Class	Optional modulation paths on family
Safety Class	Laser safety classified output
Warmup	Specified warmup to rated accuracy
Reference	Internal wavelength reference class
Notes	
From Ando AQ4321A tunable laser documentation. Exact tuning band and power vs wavelength depend on options; confirm on the unit datasheet.	

Laser Safety

Laser safety classified output Warmup: Specified warmup to rated accuracy Reference: Internal wavelength reference class Notes From Ando AQ4321A tunable laser documentation. Exact tuning band and power vs wavelength depend on options; confirm 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

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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.