

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 3, 2026

ANDO

Ando AQ6319 600-1700nm Optical Spectrum Analyzer

Ando AQ6319 600-1700nm Optical Spectrum Analyzer The AQ6319 provides a high-accuracy optical spectrum analyzer covering 600 to 1700 nm with ± 10 pm wavelength accuracy in the 1520–1580 nm band, 10 pm maximum resolution, 70 dB close-in dynamic range, free-space input for large-core fibers, and LAN/GPIB connectivity. High-precision C/L-band wavelength measurement in R&D labs; specialty and large-core fiber spectral work using free-space monochromator input; optical amplifier gain measurements with low polarization dependency; fast-sweep remote OSA automation via LAN and GP-IB. The AQ6319 provides a high-accuracy optical spectrum analyzer covering 600 to 1700 nm with ± 10 pm wavelength accuracy in the 1520–1580 nm band, 10 pm maximum resolution, 70 dB close-in dynamic range, free-space input for large-core fibers, and LAN/GPIB connectivity. High-precision C/L-band wavelength measurement in R&D labs; specialty and large-core fiber spectral work using free-space monochromator input; optical amplifier gain measurements with low polarization dependency; fast-sweep remote OSA automation via LAN and GP-IB.



MODEL

Ando AQ6319

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6319

LISTING

<https://aumictechlabs.com/products/aq6319-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

Ando AQ6319 600-1700nm Optical Spectrum Analyzer, This optical spectrum analyzer supports analysis from 600 to 1700 nm, offering broad wavelength coverage suitable for testing various fiber optic systems and components. With high resolution and sensitivity, it enables precise measurement of optical power, wavelength, and spectral distribution. Fast sweep capabilities and multiple trace storage enhance usability for comparing live and stored signals. It supports absolute and relative measurements, enabling evaluation of optical sources, filters, and amplifiers. The interface includes graphical tools for peak search, marker readout, and automatic measurement functions, streamlining operation for users at all levels. Connectivity options such as GPIB allow integration into automated test setups. Its rugged design and stable performance make it ideal for both R&D and production environments. The display offers real-time visualization of complex signals with adjustable scaling and trace averaging. Internal calibration ensures long-term measurement stability, and diagnostic tools assist in maintaining performance over extended use. This instrument is especially valuable for optical engineers working with WDM, passive components, and lightwave systems needing high-quality spectral analysis with dependable accuracy and repeatability.

Features & description

From manufacturer datasheet

Features

- Wavelength range 600 to 1700 nm
- Wavelength accuracy ± 10 pm (1520–1580 nm); ± 20 pm (1450–1520 / 1580–1620 nm); ± 0.5 nm class (600–1700 nm) after built-in source calibration
- Wavelength linearity ± 10 pm (1520–1580 nm); ± 20 pm (adjacent C/L bands)
- Maximum wavelength resolution 10 pm; resolution accuracy within $\pm 2\%$
- Close-in dynamic range 70 dB @ ± 0.2 nm
- Polarization dependency ± 0.05 dB
- Max input +23 dBm per channel; max safe input +27 dBm
- Free-space design between incident beam and monochromator
- Interfaces: GP-IB, LAN, printer, and others; mouse/keyboard operation

Polarization Dependency: ± 0.05 dB

Max Input Power: +23 dBm per channel (+27 dBm safe max) Remote Interfaces: GP-IB; LAN Alias: AQ6319 Standard Operating Conditions Calibrate with built-in wavelength source before absolute pm-level measurements. Align free-space or fiber input per Yokogawa procedure for specialty fibers. Observe +23/+27 dBm input limits. Operational Notes AQ6319 covers 600–1700 nm (not 1750 nm like AQ6317)–confirm faceplate. Successor path points to AQ6380-class instruments. Alias AQ6319.

AQ6319 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6319
Manufacturer	Yokogawa / Ando lineage
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	600 to 1700 nm
Wavelength Accuracy	±10 pm (1520–1580 nm, after built-in calibration)
Max Resolution	10 pm
Dynamic Range	70 dB @ ±0.2 nm
Polarization Dependency	±0.05 dB
Max Input Power	+23 dBm per channel (+27 dBm safe max)
Remote Interfaces	GP-IB; LAN
Alias	AQ6319 Standard Operating Conditions Calibrate with built-in wavelength source before absolute pm-level measurements. Align free-space or fiber input per Yokogawa procedure for specialty fibers. Observe +23/+27 dBm input limits.
AQ6319 covers 6	1700 nm (not 1750 nm like AQ6317)—confirm faceplate. Successor path points to AQ6380-class instruments. Alias AQ6319.
Interfaces	GP-IB, LAN, printer, and others; mouse/keyboard operation
Wavelength resolution	10 pm; resolution accuracy within ±2%

AQ6319 Specifications

PARAMETER	VALUE
Key Features	- Wavelength range 600 to 1700 nm
Technical Specifications	Model: AQ6319
Operational Notes	AQ6319 covers 600–1700 nm (not 1750 nm like AQ6317)—confirm faceplate. Successor path points to AQ6380-class instruments. Alias AQ6319.

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	AQ6319
Manufacturer	Yokogawa / Ando lineage
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	600 to 1700 nm
Wavelength Accuracy	±10 pm (1520-1580 nm, after built-in calibration)
Max Resolution	10 pm
Dynamic Range	70 dB @ ±0.2 nm
Polarization Dependency	±0.05 dB
Max Input Power	+23 dBm per channel (+27 dBm safe max)
Remote Interfaces	GP-IB; LAN
Alias	AQ6319

Standard Operating Conditions

Calibrate with built-in wavelength source before absolute pm-level measurements. Align free-space or fiber input per Yokogawa procedure for specialty fibers. Observe +23/+27 dBm input limits.

Operational Notes

AQ6319 covers 600-1700 nm (not 1750 nm like AQ6317)-confirm faceplate. Successor path points to AQ6380-class instruments. Alias AQ6319.

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.