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Data Sheet

August 2, 2026

ANDO

Ando AQ6315A 350-1750nm Optical Spectrum Analyzer

Ando AQ6315A 350-1750nm Optical Spectrum Analyzer The AQ6315A provides an optical spectrum analyzer covering 350 to 1750 nm with selectable single-pass/double-pass monochromator modes, high wavelength accuracy in the 1550 nm band, and analysis functions for DWDM devices, LDs, LEDs, and FBGs. Wideband light-source evaluation from near-UV/visible through near-IR; DWDM device loss-wavelength characterization; optical amplifier gain and spectral measurements with low polarization dependency; high-resolution spectral analysis using double-pass monochromator mode. The AQ6315A provides an optical spectrum analyzer covering 350 to 1750 nm with selectable single-pass/double-pass monochromator modes, high wavelength accuracy in the 1550 nm band, and analysis functions for DWDM devices, LDs, LEDs, and FBGs. Wideband light-source evaluation from near-UV/visible through near-IR; DWDM device loss-wavelength characterization; optical amplifier gain and spectral measurements with low polarization dependency; high-resolution spectral analysis using double-pass monochromator mode.



MODEL

Ando AQ6315A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6315A

LISTING

<https://aumictechlabs.com/products/aq6315a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ6315A is an optical spectrum analyzer engineered for precision measurement across the 350–1750 nm spectral range. Its dual-pass monochromator design operates in selectable single-pass or double-pass modes, delivering high resolution and sensitivity for demanding optical characterization tasks. The instrument combines wavelength accuracy of ± 0.05 nm (at 1510–1570 nm) with measurement capability from -90 dBm to $+20$ dBm across core telecom bands, making it suitable for WDM channel analysis, LED spectral profiling, and optical component testing.

Technical Specifications

Wavelength Performance Range: 350–1750 nm
Accuracy: ± 0.05 nm (1510–1570 nm, $25 \pm 5^\circ\text{C}$) Linearity: ± 0.02 nm (1510–1570 nm) Resolution: 0.05–10 nm (selectable) Measurement Level Dynamic range: -90 dBm to $+20$ dBm (1000–1600 nm) Extended range: -65 dBm to $+20$ dBm (350–1750 nm) Level accuracy: ± 0.3 dB (633/1310/1550 nm) Maximum input: $+20$ dBm (100 mW) Optical Performance Dynamic range (stray light): 60–70 dB (± 0.5 –1 nm) Polarization dependency: ± 0.05 –0.1 dB (1310/1550 nm) Linearity: ± 0.05 dB (0 to -40 dBm), ± 0.2 dB (0 to -60 dBm) Sweep Performance Short span (≤ 500 nm): 0.5 s or less Full span: 2.5 s or less

Key Features Dual-pass monochromator with single/double-pass selection Automatic peak/bottom and spectral width searches SMSR and notch width measurement functions WDM and optical amplifier NF analysis Pulsed light measurement and power meter modes Averaging and max./min. hold display modes Marker-to-marker power and spectral measurements 3D and dual-trace display capabilities 20 programmable measurement routines (200 steps each) Wavelength calibration and color analysis functions

Typical Applications WDM system characterization and channel spacing verification LED and broadband source spectral analysis Optical component testing (filters, gratings, couplers) Fiber optic system diagnostics Optical amplifier noise figure assessment

Compatibility & Integration Standard optical fiber interfaces support direct connection to 10/125 SM fiber. User-definable keys and programmable routines enable integration into automated test sequences and laboratory workflows.

Features & description

From manufacturer datasheet

Features

- Wavelength range 350 to 1750 nm • Wavelength resolution down to 0.05 nm • Wavelength accuracy ± 0.05 nm (1550 nm band); linearity ± 0.02 nm class • Single-pass / double-pass monochromator select
- High sensitivity: noise floor to approximately -90 dBm class • Level accuracy ± 0.3 dB; polarization dependency ± 0.05 dB • High-power measurement to $+20$ dBm (100 mW) without external attenuator • Supports optical fibers with core diameters up to $800\text{ }\mu\text{m}$ • Analysis functions for DWDM, LD, LED, FBG, and related devices • Air/vacuum wavelength display support

Polarization Dependency: ± 0.05 dB

Noise Level: approximately -90 dBm class Maximum Input Power: $+20$ dBm Monochromator Modes: Single-pass; double-pass Max Fiber Core Diameter: up to $800\text{ }\mu\text{m}$ Alias: AQ6315A Standard Operating Conditions Select single-pass or double-pass mode to match dynamic-range versus throughput needs. Allow warm-up before precision DWDM measurements. Observe $+20$ dBm maximum direct input; use external attenuation above that level if required by procedure. Operational Notes AQ6315A extends down to 350 nm and adds dual-pass monochromator capability versus AQ6310B (400–1750 nm). Confirm AQ6315A faceplate marking. Alias AQ6315A.

AQ6315A Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6315A
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	350 to 1750 nm
Minimum Wavelength Resolution	0.05 nm
Wavelength Accuracy	±0.05 nm (1550 nm band)
Wavelength Linearity	±0.02 nm class
Level Accuracy	±0.3 dB
Polarization Dependency	±0.05 dB
Noise Level	approximately -90 dBm class
Maximum Input Power	+20 dBm
Monochromator Modes	Single-pass; double-pass
Max Fiber Core Diameter	up to 800 µm
Alias	AQ6315A Standard Operating Conditions Select single-pass or double-pass mode to match dynamic-range versus throughput needs. Allow warm-up before precision DWDM measurements. Observe +20 dBm maximum direct input; use external attenuation above that level if required by procedure.
High sensitivity	noise floor to approximately -90 dBm class
Wavelength resolution	down to 0.05 nm - Wavelength accuracy ±0.05 nm (1550 nm band); linearity ±0.02 nm class - Single-pass / double-pass monochromator select - High sensitivity: noise floor to approximately -90 dBm class - Level accuracy ±0.3 dB; polarization dependency
Attenuation	above that level if required by procedure.

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
Model	AQ6315A
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	350 to 1750 nm
Minimum Wavelength Resolution	0.05 nm
Wavelength Accuracy	±0.05 nm (1550 nm band)
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Level Accuracy	±0.3 dB
Polarization Dependency	±0.05 dB
Noise Level	approximately -90 dBm class
Maximum Input Power	+20 dBm
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Operational Notes	
AQ6315A extends down to 350 nm and adds dual-pass monochromator capability versus AQ6310B (400–1750 nm). Confirm AQ6315A faceplate marking. Alias AQ6315A.	

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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NIST-traceable calibration · SAM registered ·
30-day returns
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Generated August 2, 2026

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