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Data Sheet

August 2, 2026

ANDO

Ando AQ6310B 400-1750nm Optical Spectrum Analyzer

Ando AQ6310B 400-1750nm Optical Spectrum Analyzer The AQ6310B provides a general-purpose optical spectrum analyzer covering 400 to 1750 nm for LD/LED source spectra and loss/transmission characterization of fibers, filters, and other optical devices, with GPIB remote control and built-in printer. LD and LED spectrum measurement from visible through near-IR; optical fiber, filter, and device loss-wavelength characterization; laboratory OSA work requiring broad 400–1750 nm coverage; automated spectral measurements via GPIB. The AQ6310B provides a general-purpose optical spectrum analyzer covering 400 to 1750 nm for LD/LED source spectra and loss/transmission characterization of fibers, filters, and other optical devices, with GPIB remote control and built-in printer. LD and LED spectrum measurement from visible through near-IR; optical fiber, filter, and device loss-wavelength characterization; laboratory OSA work requiring broad 400–1750 nm coverage; automated spectral measurements via GPIB.



MODEL

Ando AQ6310B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6310B

LISTING

<https://aumictechlabs.com/products/aq6310b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ6310B is a precision optical spectrum analyzer for characterizing light sources, optical fibers, filters, and optical components across the 400–1750 nm wavelength range. It delivers wavelength accuracy to ± 0.5 nm at 25°C and ± 1 nm across the operating temperature range, with resolution bandwidth selectable from 0.1 to 10 nm depending on wavelength region. The instrument measures optical power from -70 to $+10$ dBm across its full range, with extended sensitivity to -80 dBm in the 600–1600 nm band. High-speed sweep capability completes 100 nm spans in 1 second or less.

Technical Specifications

Wavelength Range:	400–1750 nm
Wavelength Accuracy:	± 0.5 nm (25°C); ± 1 nm (5–40°C)
Wavelength Resolution:	± 1 nm
Resolution Bandwidth:	0.1–10 nm (540–1750 nm); 0.1–5 nm (400–540 nm)
Sweep Width:	0.0–150 nm/div
Sweep Time:	≤ 1 second (100 nm or less spans)
Measurement Level Range:	-70 to $+10$ dBm (400–1750 nm); -80 to $+10$ dBm (600–1600 nm)
Level Linearity:	± 0.2 dB/10 dB; ± 0.5 dB/20 dB; $+1$ dB/60 dB
Level Scale:	0.2–10 dB/div, LINEAR
Optical Interface:	FC connector
Fiber Compatibility:	9/125 μ m, 50/125 μ m, 62.5/125 μ m
Power Supply:	100–120 VAC or 220–240 VAC, 50/60 Hz; ~ 150 VA
Analog Output:	0–5 V (load ≥ 1 k Ω), 8NC connector
Video Output:	~ 1 Vp-p, BNC (220–240 VAC only)

Key Features

- Peak search and half-width search functions
- Automatic measurement with function optimization
- Data averaging, subtraction, and normalization
- Wavelength calibration capability
- Three-dimensional and dominant waveform displays
- On-screen image hard-copy via integrated printer
- GP-IB standard interface for automation

Typical Applications

Research and development, optical communications systems, laboratory spectral analysis, and optical component characterization.

Compatibility & Integration

GP-IB interface enables integration into automated test systems. Analog output and video output support external data acquisition and monitoring workflows.

Features & description

From manufacturer datasheet

Features

- Wavelength range 400 to 1750 nm • Level range -70 to +10 dBm (400–1750 nm); -80 to +10 dBm (600–1600 nm) • Wavelength resolution 0.1 to 5 nm (400–540 nm); 0.1 to 10 nm (540–1750 nm) • Wavelength accuracy ± 0.5 nm • Level linearity ± 0.2 dB/10 dB; ± 0.5 dB/20 dB; ± 1 dB/60 dB • Sweep time class: 1 s (100 nm); 2 s (500 nm); 5 s (1500 nm) • Level scale 0.2 to 10 dB/div and LINEAR • Analysis: automatic measurement, peak/half-width search, averaging, normalization, 3-D display • FC optical input; GPIB; built-in high-speed printer; video and analog outputs • Fiber inputs: 9/125, 50/125, 62.5/125 μm

AQ6310B Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6310B (AQ-6310B)
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	400 to 1750 nm
Wavelength Accuracy	±0.5 nm
Resolution	0.1–5 nm (400–540 nm); 0.1–10 nm (540–1750 nm)
Level Range	–70 to +10 dBm (400–1750 nm); –80 to +10 dBm (600–1600 nm)
Level Linearity	±0.2 dB/10 dB; ±0.5 dB/20 dB; ±1 dB/60 dB
Optical Input	FC
Remote Interface	GPIB
Alias	AQ6310B, AQ-6310B Standard Operating Conditions Allow warm-up and perform wavelength calibration before absolute measurements. Select resolution for the source linewidth and dynamic-range needs. Observe video-output AC line requirements on some units (220–240 VAC for external video on certain revisions).
AQ6310B covers 4	1750 nm–distinct from AQ6315A (350–1750 nm, dual-pass monochromator). Alias AQ6310B.
Sweep time class	1 s (100 nm); 2 s (500 nm); 5 s (1500 nm)
Analysis	automatic measurement, peak/half-width search, averaging, normalization, 3-D display
Fiber inputs	9/125, 50/125, 62.5/125 µm
Wavelength resolution	0.1 to 5 nm (400–540 nm); 0.1 to 10 nm (540–1750 nm) - Wavelength accuracy ±0.5 nm - Level linearity ±0.2 dB/10 dB; ±0.5 dB/20 dB; ±1 dB/60 dB - Sweep time class: 1 s (100 nm); 2 s (500 nm); 5 s (1500 nm) - Level scale 0.2 to 10 dB/div and LINEAR - A
Linewidth	and dynamic-range needs. Observe video-output AC line requirements on some units (220–240 VAC for external video on certain revisions).

AQ6310B Specifications

PARAMETER	VALUE
Key Features	- Wavelength range 400 to 1750 nm
Technical Specifications	Model: AQ6310B (AQ-6310B)
Operational Notes	AQ6310B covers 400–1750 nm—distinct from AQ6315A (350–1750 nm, dual-pass monochromator). Alias AQ6310B.

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	AQ6310B (AQ-6310B)
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	400 to 1750 nm
Wavelength Accuracy	±0.5 nm
Resolution	0.1–5 nm (400–540 nm); 0.1–10 nm (540–1750 nm)
Level Range	–70 to +10 dBm (400–1750 nm); –80 to +10 dBm (600–1600 nm)
Level Linearity	±0.2 dB/10 dB; ±0.5 dB/20 dB; ±1 dB/60 dB
Optical Input	FC
Remote Interface	GPIO
Alias	AQ6310B, AQ-6310B

Standard Operating Conditions

Allow warm-up and perform wavelength calibration before absolute measurements. Select resolution for the source linewidth and dynamic-range needs. Observe video-output AC line requirements on some units (220–240 VAC for external video on certain revisions).

Operational Notes

AQ6310B covers 400–1750 nm–distinct from AQ6315A (350–1750 nm, dual-pass monochromator). Alias AQ6310B.

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