

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

ANDO

Ando AQ6312B 600-1700nm Optical Spectrum Analyzer

The Ando AQ6312B is a general-purpose optical spectrum analyzer for measuring LD/LED and other light-source spectra, and loss/transmission wavelength characteristics of fibers, filters, and optical devices. Catalog listings often cite 600–1700 nm; published instrument summaries commonly list 350–1750 nm measurement wavelength range—confirm on the unit faceplate/firmware. Laser diode and LED spectrum analysis; optical fiber and filter loss vs wavelength; device transmission characterization; lab optical component test. Instrument Type: Optical Spectrum Analyzer Wavelength range: 350–1750 nm (published summaries) GPIB; video out; analog out; printer; X-Y plotter control Specs from Ando AQ6312B published reseller/OEM summaries. Do not confuse with later AQ6315/AQ6317 families (different resolution/dynamic range). Confirm exact wavelength span on the unit.



MODEL

Ando AQ6312B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6312B

LISTING

<https://aumictechlabs.com/products/aq6312b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ6312B is a benchtop optical spectrum analyzer designed for precise wavelength measurement and spectral characterization of optical signals across the visible and near-infrared spectrum. It delivers high wavelength accuracy and broad dynamic range, making it essential for

telecommunications, fiber optic testing, and optical component validation in both laboratory and field environments.

Technical Specifications

- Wavelength Range: 600 nm to 1700 nm
- Wavelength Resolution: 0.1 nm
- Wavelength Accuracy: ± 0.3 nm
- Dynamic Range: Wide dynamic range for precise spectral measurements
- Measurement Speed: High Speed Sweep completes measurements in less than 0.5 seconds

Key Features

- High Speed Sweep functionality enables sub-half-second acquisition cycles for rapid device characterization.
- Three-Dimensional Display Function provides comprehensive spectral analysis optimized for LD and LED source evaluation.
- AUTO Sweep Button automatically configures optimal measurement parameters based on input signal characteristics.
- Advanced data processing capabilities support detailed spectral analysis and signal trend evaluation.
- Compact form factor accommodates both stationary lab setups and portable field measurements.
- User-friendly interface minimizes operator training requirements and accelerates measurement workflows.

Typical Applications

- Laser and LED spectral characterization
- Telecommunications signal analysis
- Fiber optic system testing and validation
- Optical component qualification
- Research and development of photonic devices

Compatibility & Integration

- GP-IB interface available for remote instrument control and automated test sequences.
- NIST-traceable calibration services with pre- and post-calibration documentation.
- Manufacturer-specification repair and maintenance support available.

Features & description

From manufacturer datasheet

Features

- Measurement wavelength range: 350 to 1750 nm (published); listing class also 600–1700 nm •
- Measurement level range: –70 to +10 dBm (resolution-dependent) • Level scale: 0.2 to 10 dB/div •
- Wavelength sweep width: 0.0 to 150 nm/div • Wavelength resolution: 0.1 to 5 nm • Optical input: FC-type connector • Built-in high-speed printer • X-Y plotter control; video output; analog output • GPIB standard

AQ6312B Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6312B
Manufacturer	Ando
Instrument Type	Optical Spectrum Analyzer
Alias	AQ6312B; Ando AQ6312B Optical
Wavelength range	350–1750 nm (published summaries)
Level range	–70 to +10 dBm
Level scale	0.2 to 10 dB/div
Sweep width	0.0–150 nm/div
Resolution	0.1–5 nm
Input connector	FC I/O GPIB; video out; analog out; printer; X-Y plotter control Notes Specs from Ando AQ6312B published reseller/OEM summaries. Do not confuse with later AQ6315/AQ6317 families (different resolution/dynamic range). Confirm exact wavelength span on the unit.
Measurement wavelength range	350 to 1750 nm (published); listing class also 600–1700 nm
Measurement level range	–70 to +10 dBm (resolution-dependent)
Wavelength sweep width	0.0 to 150 nm/div
Wavelength resolution	0.1 to 5 nm
Optical input	FC-type connector

AQ6312B Specifications

PARAMETER	VALUE
Ando AQ6312B Optical Spectrum Analyzer	Overview
Key Features	- Measurement wavelength range: 350 to 1750 nm (published); listing class also 600–1700 nm
Technical Specifications	Model: AQ6312B
Optical	Wavelength range: 350–1750 nm (published summaries)

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.

characteristics of fibers, filters, and optical devices. Catalog listings often cite 600–1700 nm; published instrument summaries commonly list 350–1750 nm measurement wavelength range—confirm on the unit faceplate/firmware.

Applications
Laser diode and LED spectrum analysis; optical fiber and filter loss vs wavelength; device transmission characterization; lab optical component test.

- Key Features
- Measurement wavelength range: 350 to 1750 nm (published); listing class also 600–1700 nm
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Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	AQ6312B
Manufacturer	Ando
Instrument Type	Optical Spectrum Analyzer
Alias	AQ6312B; Ando AQ6312B

Optical

Specifications

PARAMETER	VALUE
Wavelength range	350–1750 nm (published summaries)
Level range	-70 to +10 dBm
Level scale	0.2–10 dB/div
Sweep width	0.0–150 nm/div
Resolution	0.1–5 nm
Input connector	FC

I/O
GPIB; video out; analog out; printer; X-Y plotter control

Notes

Specs from Ando AQ6312B published reseller/OEM summaries. Do not confuse with later AQ6315/AQ6317 families (different resolution/dynamic range). Confirm exact wavelength span 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.