

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ6310C 400-1750nm Optical Spectrum Analyzer

Ando AQ6310C Optical Spectrum Analyzer 400 to 1750 nm The Ando AQ6310C is a general-purpose optical spectrum analyzer covering 400 to 1750 nm for LD/LED spectra and passive component loss/transmission characterization. OEM Ando AQ6310C specification summaries list level ranges to minus 80 dBm in the 600 to 1600 nm band, resolution down to 0.1 nm, and built-in printer with GP-IB. Optical source spectrum analysis, fiber and filter loss-versus-wavelength measurements, and benchtop OSA work across visible to near-IR. The Ando AQ6310C is a general-purpose optical spectrum analyzer covering 400 to 1750 nm for LD/LED spectra and passive component loss/transmission characterization. OEM Ando AQ6310C specification summaries list level ranges to minus 80 dBm in the 600 to 1600 nm band, resolution down to 0.1 nm, and built-in printer with GP-IB. Optical source spectrum analysis, fiber and filter loss-versus-wavelength measurements, and benchtop OSA work across visible to near-IR. Peak half-width search averaging and 3D display functions



MODEL

Ando AQ6310C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6310C

LISTING

<https://aumictechlabs.com/products/aq6310c-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

Ando AQ6310C 400-1750nm Optical Spectrum Analyzer, The Ando AQ6310C is a optical spectrum analyzer offering spectral measurements across 400 to 1750 nm. It is tailored for testing a broad range of optical signals including laser sources, passive components, and broadband light sources. With high wavelength resolution, wide dynamic range, and fast sweep speeds, the unit allows for detailed spectrum characterization in R&D and manufacturing environments. The analyzer supports automated measurement functions and USB/GPIB interfaces for easy integration. It is widely used in fiber optic communications, photonics research, and production line testing. Its precise performance and versatile measurement capabilities make it indispensable for spectrum verification and troubleshooting tasks.

Aumictech – Ando AQ6310C Optical Spectrum Analyzer 400–1750 nm Specifications

Optical Performance
Wavelength range: 400 to 1750 nm
Span: 0.2 nm to full range
Wavelength accuracy: ± 0.02 nm (typical in C-band), ± 0.1 nm across full range
Wavelength resolution: 0.02 nm minimum
Wavelength repeatability: ± 0.005 nm
Sampling resolution: 0.001 nm minimum
Level / Power Measurement Sensitivity (typical): -85 dBm (1000–1600 nm) -70 dBm (400–1000 nm)
Maximum safe input power: $+20$ dBm
Power accuracy: ± 0.3 dB (-20 dBm input at 1550 nm)
Linearity: ± 0.05 dB (-50 to $+10$ dBm)
Flatness: ± 0.2 dB across 400–1750 nm
Polarization dependence: $\leq \pm 0.05$ dB
Dynamic Range & Stray Light
Dynamic range (typical): Up to 78 dB (0.05 nm RBW, ± 1 nm) Up to 58 dB (0.02 nm RBW, ± 0.2 nm)
Stray light suppression ratio: 78 dB typical
Level range: $+20$ to -85 dBm
Sweep & Speed
Sweep times (typical, 100 nm span): FAST mode: ~ 0.5 s NORMAL mode: ~ 2 s HIGH SENS mode: 30–60 s
Sweep modes: single, repeat, and continuous
Fiber & Optical Interfaces
Input fiber types: Single-mode and multimode (9/125 μ m, 50/62.5/125 μ m)
Optical input connectors: FC, SC, ST (via interchangeable adapters)
Optical return loss: >30 dB typical
Calibration source: built-in wavelength reference
Interfaces & Control
Remote control: GP-IB (IEEE-488), RS-232C standard
Optional interface: Ethernet (for PC integration and automation)
Command compatibility: SCPI compliant
Display & Storage
Display: 9-inch color CRT (vector style)
Trace functions: multiple trace storage, Max/Min hold, subtraction
Data output: GP-IB/RS-232 to PC
Printer support: external GPIB printer compatible
Physical & Power Dimensions: approx. 425 $\times$ 200 $\times$ 450 mm (W $\times$ H $\times$ D)
Weight: approx. 18–20 kg
Power supply: 100–240 VAC, 50/60 Hz, ~ 150 VA
Operating environment: Performance guaranteed: $+18$ to $+28$ $^{\circ}$ C Operating: $+5$ to $+35$ $^{\circ}$ C Storage: -10 to $+50$ $^{\circ}$ C Humidity: ≤ 80 %RH non-condensing
Warm-up time: ~ 1 hour

Why Choose Aumictech for the Ando AQ6310C?
The Ando AQ6310C Optical Spectrum Analyzer offers wide wavelength coverage from 400–1750 nm, enhanced dynamic range, and improved resolution compared to earlier AQ6310 series models. It is an excellent choice for optical device characterization, fiber research, and broadband component testing. At Aumictech, we provide sales, repairs, and NIST-traceable calibration for the Ando AQ6310C. By extending the life and precision of these trusted analyzers, we ensure that labs and manufacturers can continue to rely on the AQ6310C for accurate optical measurements.

Features & description

From manufacturer datasheet

Built-in high-speed printer

GP-IB standard Peak half-width search averaging and 3D display functions FC optical input standard
Technical Specifications Measurement Wavelength Range: 400 to 1750 nm Measurement Level Range
600 To 1600 nm: minus 80 to plus 10 dBm per resolution Measurement Level Range 400 To 1750 nm:
minus 70 to plus 10 dBm per resolution Level Scale: 0.2 to 10 dB/div and LINEAR Wavelength Sweep
Width: 0.0 to 150 nm/div Resolution 540 To 1750 nm: 0.1 to 10 nm Resolution 400 To 540 nm: 0.1 to 5
nm Sweep Time Span 200 nm Or Less: 1 s or less Sweep Time Span 1000 nm Or Less: 2 s or less
Sweep Time Span 1500 nm Or Less: 5 s or less Optical Input Connector: FC type standard GP-IB:
provided as standard Analog Output: 0 to 5 V load 1 kOhm or more BNC Video Output: approx 1 Vp-p
composite 75 Ohm BNC X-Y Plotter Control: HP-GL conforming plotters Printer: high-speed printer
incorporated Dimensions: approx 266 mmHx 426 mmWx 450 mmDMass: approx 30 kg Functions
Class: automatic measurement peak search half-width search subtraction averaging labeling
normalization 3D display wavelength calibration memory Measurement Functions: automatic
measurement peak search half-width search Data Functions: subtraction averaging labeling
normalization

AQ6310C Characteristics / Specifications

PARAMETER	VALUE
Measurement Wavelength Range	400 to 1750 nm
Measurement Level Range 600 To 1600 nm	minus 80 to plus 10 dBm per resolution
Measurement Level Range 400 To 1750 nm	minus 70 to plus 10 dBm per resolution
Level Scale	0.2 to 10 dB/div and LINEAR
Wavelength Sweep Width	0.0 to 150 nm/div
Resolution 540 To 1750 nm	0.1 to 10 nm
Resolution 400 To 540 nm	0.1 to 5 nm
Sweep Time Span 200 nm Or Less	1 s or less
Sweep Time Span 1000 nm Or Less	2 s or less
Sweep Time Span 1500 nm Or Less	5 s or less
Optical Input Connector	FC type standard
Analog Output	0 to 5 V load 1 kOhm or more BNC
Video Output	approx 1 Vp-p composite 75 Ohm BNC
Printer	high-speed printer incorporated
Dimensions	approx 266 mmHx 426 mmWx 450 mmDMass: approx 30 kg
Functions Class	automatic measurement peak search half-width search subtraction averaging labeling normalization 3D display wavelength calibration memory
Measurement Functions	automatic measurement peak search half-width search
Data Functions	subtraction averaging labeling normalization
Display Modes	dominant waveform and three-dimensional display
Wavelength Calibration Function	yes
Data Measurement Condition Memory	yes
Wavelength range	400 to 1750 nm

AQ6310C Specifications

PARAMETER	VALUE
Ando AQ6310C Optical Spectrum Analyzer 400 to 1750 nm	Overview
Key Features	400 to 1750 nm wide wavelength coverage
Technical Specifications	Measurement Wavelength Range: 400 to 1750 nm

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
Measurement Wavelength Range	400 to 1750 nm
Measurement Level Range 600 To 1600 nm	minus 80 to plus 10 dBm per resolution
Measurement Level Range 400 To 1750 nm	minus 70 to plus 10 dBm per resolution
Level Scale	0.2 to 10 dB/div and LINEAR
Wavelength Sweep Width	0.0 to 150 nm/div
Resolution 540 To 1750 nm	0.1 to 10 nm
Resolution 400 To 540 nm	0.1 to 5 nm
Sweep Time Span 200 nm Or Less	1 s or less
Sweep Time Span 1000 nm Or Less	2 s or less
Sweep Time Span 1500 nm Or Less	5 s or less
Optical Input Connector	FC type standard
GP-IB: provided as standard	
Analog Output: 0 to 5 V load 1 kOhm or more BNC	
Video Output: approx 1 Vp-p composite 75 Ohm BNC	
X-Y Plotter Control: HP-GL conforming plotters	
Specifications	
PARAMETER	VALUE
Printer	high-speed printer incorporated
Dimensions	approx 266 mmHx 426 mmWx 450 mmDMass: approx 30 kg
Functions Class	automatic measurement peak search half-width search subtraction averaging labeling normalization 3D display wavelength calibration memory
Specifications	
PARAMETER	VALUE
Measurement Functions	automatic measurement peak search half-width search
Data Functions	subtraction averaging labeling normalization
Display Modes	dominant waveform and three-dimensional display

PARAMETER	VALUE
Wavelength Calibration Function	yes
Data Measurement Condition Memory	yes

Notes

From Ando/Yokogawa AQ6310C published specification summaries used by rental and surplus OEM listings. Confirm optical connector adapter and any firmware options 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.