Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 12, 2026

ANDO

Ando AQ6331 1200-1700nm Optical Spectrum Analyzer

Ando AQ6331 Portable Optical Spectrum Analyzer The Ando (Yokogawa) AQ6331 isaportable optical spectrum analyzer for 50/100 GHz DWDM and field/lab optical spectrum work. Wavelength range 1200–1700 nm with internal wavelength calibration light source, built-in printer, and ~10 kg portable chassis. Discontinued; Yokogawa suggests AQ6361 class as replacement family. DWDM C/L-band installation and maintenance; FTTx/CWDM; EDFA and high-power LD characterization up to +20 dBm; multi-channel WDM analysis (up to 100 channels); R&D optical spectrum measurements. The Ando (Yokogawa) AQ6331 isaportable optical spectrum analyzer for 50/100 GHz DWDM and field/lab optical spectrum work. Wavelength range 1200–1700 nm with internal wavelength calibration light source, built-in printer, and ~10 kg portable chassis. Discontinued; Yokogawa suggests AQ6361 class as replacement family. DWDM C/L-band installation and maintenance; FTTx/CWDM; EDFA and high-power LD characterization up to +20 dBm; multi-channel WDM analysis (up to 100 channels); R&D optical spectrum measurements.

MODEL **Ando AQ6331**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **AQ6331**	LISTING **https://aumictechlabs.com/products/aq6331-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ6331 is a portable optical spectrum analyzer engineered for high-precision wavelength and optical power measurement across the 1200–1700 nm band. Delivering performance comparable to benchtop instruments, the AQ6331 combines compact, lightweight construction with advanced spectral analysis capabilities. It is purpose-built for telecommunications, fiber manufacturing, and component development environments - particularly suited to DWDM system validation, field installation, and maintenance workflows.Technical Specifications Wavelength Measurement Wavelength range: 1200 to 1700 nm Wavelength accuracy: ±0.02 nm (1520–1580 nm), ±0.05 nm (1580–1620 nm), ±0.3 nm (1200–1700 nm) Wavelength linearity: ±0.01 nm (1520–1580 nm), ±0.02 nm (1580–1620 nm) Wavelength reproducibility: ±0.005 nm (1 min.) Wavelength resolution: 0.05 nm minimum; 50.0 pm Resolution accuracy: <5% (0.2 nm resolution setting) Optical Power Measurement Level accuracy: ±0.3 dB typ. (1550 nm, 1600 nm); ±0.1 dB (1520–1580 nm); ±0.2 dB (1520–1620 nm) Level linearity: ±0.05 dB (0 to −50 dBm input, HIGH 1–3 sensitivity) Level reproducibility: ±0.02 dB (1550 nm, 1600 nm) Dynamic range: 55 dB or more (1523 nm, peak: ±0.4 nm, 0.05 nm resolution); 40 dB or more (±0.2 nm peak, 0.05 nm resolution) High power measurement: up to +20 dBm Polarization dependency: ±0.05 dB (1550 nm, 1600 nm) Return loss: 30 dB typ. (1550 nm, 1600 nm) Performance Sweep time: ~0.5 sec. Applicable fiber: Single-mode fiber (10/125 µm)Key Features Internal wavelength calibration via built-in reference light source; no external fiber connection required DWDM measurement capability: 50 GHz and 100 GHz channel spacing Triple-trace display with reference/measurement waveform comparison Analysis functions: WDM, EDFA, PMD, SMSR, peak/bottom search, spectral width, notch-width, delta-marker, line marker Long-term channel peak monitoring for temporal spectral analysis User programming for preconfigured measurement conditions and automated processes Built-in printerTypical Applications DWDM system deployment and commissioning Dense wavelength division multiplexing network testing Optical device and component characterization Field maintenance and troubleshooting Research and developmentCompatibility & Integration Connects via single-mode fiber (10/125 µm) interfaces. Automated internal calibration eliminates external reference dependencies.

Features & description

From manufacturer datasheet

Features

• Wavelength range: 1200 to 1700 nm (vacuum wavelength) • Wavelength accuracy: ±0.02 nm (1520–1580 nm); ±0.05 nm (1580–1620 nm); ±0.3 nm (1200–1700 nm) after internal cal source • Wavelength linearity: ±0.01 nm (1520–1580); ±0.02 nm (1580–1620) • Wavelength reproducibility: ±0.005 nm (1 min) • Resolution settings: 0.05, 0.1, 0.2, 0.5, 1.0 nm; ≤0.05 nm at 0.05 nm setting (1520–1620 nm) • Level range: −90 to +20 dBm (1200–1600 nm, HIGH3); −80 to +20 dBm (1600–1700 nm, HIGH3) • Level accuracy: ±0.3 dB typ. (1550/1600 nm) • Polarization dependency: ±0.05 dB (1550/1600 nm) • Dynamic range: ≥55 dB (1523 nm, peak ±0.4 nm, res 0.05 nm); ≥40 dB (peak ±0.2 nm, res 0.05 nm) • Sweep time: ~0.5 s (span 50 nm, NORMAL HOLD, AUTO samples, avg 1) • Display: 8.4-inch color LCD (800 × 600) • Dimensions / mass: approx. 315 × 200 × 255 mm (or 225 mmDclass), ~10 kg • Power: AC 100–120 / 200–240 V, 48–63 Hz, ~100 VA • Applicable fiber: SMF 10/125 µm • Internal cal light source + printer standard

AQ6331 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6331
Manufacturer	Ando / Yokogawa
Instrument Type	Portable Optical Spectrum Analyzer
Alias	AQ6331; Ando AQ6331; Yokogawa AQ6331 Wavelength
Range	1200–1700 nm
Accuracy	±0.02 / ±0.05 / ±0.3 nm by band as above
Resolution settings	0.05 / 0.1 / 0.2 / 0.5 / 1.0 nm Level / Dynamic Range −90 to +20 dBm (1200–1600 nm HIGH3); −80 to +20 dBm (1600–1700 nm HIGH3) Dynamic range ≥55 dB @ 1523 nm, ±0.4 nm, 0.05 nm resolution General
Display	8.4-inch color LCD (800 × 600)
Size/weight	~315×200×255 mm, ~10 kg
Power	~100 VA, 48–63 Hz Notes Numeric specs from Ando/Yokogawa AQ6331 datasheet and product documentation. Confirm connectors (FC/SC/ST adapters) and cal status on the unit.
Wavelength range	1200 to 1700 nm (vacuum wavelength)
Wavelength accuracy	±0.02 nm (1520–1580 nm); ±0.05 nm (1580–1620 nm); ±0.3 nm (1200–1700 nm) after internal cal source
Wavelength linearity	±0.01 nm (1520–1580); ±0.02 nm (1580–1620)
Wavelength reproducibility	±0.005 nm (1 min)
Level range	−90 to +20 dBm (1200–1600 nm, HIGH3); −80 to +20 dBm (1600–1700 nm, HIGH3)
Level accuracy	±0.3 dB typ. (1550/1600 nm)
Polarization dependency	±0.05 dB (1550/1600 nm)
Dynamic range	≥55 dB (1523 nm, peak ±0.4 nm, res 0.05 nm); ≥40 dB (peak ±0.2 nm, res 0.05 nm)
Sweep time	~0.5 s (span 50 nm, NORMAL HOLD, AUTO samples, avg 1)
Dimensions / mass	approx. 315 × 200 × 255 mm (or 225 mmDclass), ~10 kg
Applicable fiber	SMF 10/125 µm

AQ6331 Specifications

PARAMETER	VALUE
Ando AQ6331 Portable Optical Spectrum Analyzer	Overview
Key Features	- Wavelength range: 1200 to 1700 nm (vacuum wavelength)
Technical Specifications	Model: AQ6331
Wavelength	Range: 1200–1700 nm
Level / Dynamic Range	−90 to +20 dBm (1200–1600 nm HIGH3); −80 to +20 dBm (1600–1700 nm HIGH3)
General	Display: 8.4-inch color LCD 800×600

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	AQ6331
Manufacturer	Ando / Yokogawa
Instrument Type	Portable Optical Spectrum Analyzer
Alias	AQ6331; Ando AQ6331; Yokogawa AQ6331

Wavelength

Specifications

PARAMETER	VALUE
Range	1200–1700 nm
Accuracy	±0.02 / ±0.05 / ±0.3 nm by band as above
Resolution settings	0.05 / 0.1 / 0.2 / 0.5 / 1.0 nm

Level / Dynamic Range
−90 to +20 dBm (1200–1600 nm HIGH3); −80 to +20 dBm (1600–1700 nm HIGH3)
Dynamic range ≥55 dB @ 1523 nm, ±0.4 nm, 0.05 nm resolution

General

Specifications

PARAMETER	VALUE
Display	8.4-inch color LCD 800×600
Size/weight	~315×200×255 mm, ~10 kg
Power	~100 VA, 48–63 Hz

Notes
Numeric specs from Ando/Yokogawa AQ6331 datasheet and product documentation. Confirm connectors (FC/SC/ST adapters) and cal status 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

NIST-traceable calibration · SAM registered · 30-day returns
NAICS 423690 · 811210 · 541380
Generated August 12, 2026