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Data Sheet
August 3, 2026

ANDO

Ando AQ6330 1200-1700nm Optical Spectrum Analyzer

Ando AQ6330 1200-1700nm Optical Spectrum Analyzer The AQ6330 providesacompact portable optical spectrum analyzer covering 1200 to 1700 nm (approximately 8 kg) for field and lab WDM analysis, with ±0.05 nm wavelength accuracy in the 1550 nm band, built-in wavelength calibration, and WDM/EDFA analysis functions. Field and lab WDM network spectrum analysis (up to 100 channels); EDFA gain/NF evaluation; FP-LD and DFB-LD parameter checks; long-term WDM channel wavelength/level/SNR monitoring; portable OSA work where benchtop AQ6317-class instruments are impractical. The AQ6330 providesacompact portable optical spectrum analyzer covering 1200 to 1700 nm (approximately 8 kg) for field and lab WDM analysis, with ±0.05 nm wavelength accuracy in the 1550 nm band, built-in wavelength calibration, and WDM/EDFA analysis functions. Field and lab WDM network spectrum analysis (up to 100 channels); EDFA gain/NF evaluation; FP-LD and DFB-LD parameter checks; long-term WDM channel wavelength/level/SNR monitoring; portable OSA work where benchtop AQ6317-class instruments are impractical.

MODEL **Ando AQ6330**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **AQ6330**	LISTING **https://aumictechlabs.com/products/aq6330-2/**

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

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ6330 is a portable optical spectrum analyzer for field installation and maintenance of WDM optical transmission systems. Operating across 1200–1700 nm, it delivers high-resolution spectral analysis in a compact 8 kg form factor. The instrument combines wavelength accuracy to ±0.05 nm (1500–1570 nm range) with ±0.3 dB level accuracy and supports measurements up to +20 dBm.Built-in wavelength calibration and advanced WDM analysis of up to 100 channels eliminate dependence on external calibration sources, while a 7.8-inch color LCD and long-term monitoring capability enable detailed signal characterization at remote sites.Technical Specifications Wavelength Performance Range: 1200–1700 nm Accuracy: ±0.05 nm (1500–1570 nm); ±0.02 nm linearity (1550 nm range); ±0.3 nm (full range) Level accuracy: ±0.3 dB at 1310/1550 nm Polarization dependency: ±0.05 dB Dynamic Range & Sensitivity Stray-light dynamic range: 40 dB (1523 nm, ±1.0 nm peak, 0.08 nm resolution); 30 dB (1523 nm, ±0.4 nm peak, 0.08 nm resolution) Return loss: 30 dB or better at 1310/1550 nm Maximum power measurement: +20 dBm (100 mW) WDM & Monitoring Multi-channel analysis: up to 100 WDM channels with wavelength, level, and SNR measurement Long-term monitoring: wavelength, level, and SNR tracking per channel Display & Storage 7.8-inch color LCD (640 × 480 pixels) Internal memory: 2 MB External storage: 3.5-inch floppy drive (1.44 MB)Key Features Built-in wavelength standard for calibration without external source High-speed sweep for rapid measurement acquisition Single-mode fiber (10/125 µm) compatible with FC-PC input connector RS-232C and GP-IB remote control interfaces PCMCIA expansion slots (Type 3 × 1 or Type 2 × 2)Typical Applications WDM system installation and validation Optical transmission line commissioning and troubleshooting Field-based spectral monitoring and long-term channel tracking Low-power signal detection in deployed networksCompatibility & Integration Power: 100–120 V / 200–240 V AC, 50/60 Hz (~100 VA). Dimensions: 300 mm W × 200 mm H × 220 mm D. Operating temperature: 0–50°C. Keyboard (IBM), mouse (PS/2), VGA video, and Centronix printer ports enable laboratory and field integration.

Features & description

From manufacturer datasheet

Features

• Portable OSA, approximately 8 kg; 300 × 200 × 220 mm class • Wavelength range 1200 to 1700 nm • Wavelength accuracy ±0.05 nm (1500–1570 nm); ±0.3 nm (full range) • Wavelength linearity ±0.02 nm (1500–1570 nm) • Min resolution approximately 0.08 nm; settings 0.2 / 0.5 / 1 nm • Level range −90 to +20 dBm (1200–1600 nm); −80 to +20 dBm (1600–1700 nm) • Level accuracy ±0.3 dB typ.; PDL ±0.05 dB • Dynamic range 40 dB (±1.0 nm) / 30 dB (±0.4 nm) at 1523 nm • Built-in wavelength standard; WDM/EDFA/SMSR analysis; GPIB; 7.8-inch color LCD

AQ6330 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6330
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Portable Optical Spectrum Analyzer
Wavelength Range	1200 to 1700 nm
Wavelength Accuracy	±0.05 nm (1500–1570 nm); ±0.3 nm (1200–1700 nm)
Min Resolution	approximately 0.08 nm (1500–1600 nm)
Level Range	−90 to +20 dBm (1200–1600 nm)
Max Input Power	+20 dBm
Mass	approximately 8 kg
Applicable Fiber	SM 10/125 µm
Alias	AQ6330 Standard Operating Conditions Use FC-PC (standard) SM fiber. Calibrate with built-in wavelength standard. Operate 0 to 50 °C; specs typically 10 to 35 °C with FC-PC. Observe +20 dBm maximum input. Operational Notes
AQ6330 is the portable 12	1700 nm OSA–distinct from benchtop AQ6317 (600–1750 nm). Alias AQ6330.

AQ6330 Specifications

PARAMETER	VALUE
Key Features	- Portable OSA, approximately 8 kg; 300 × 200 × 220 mm class
Technical Specifications	Model: AQ6330
Operational Notes	AQ6330 is the portable 1200–1700 nm OSA—distinct from benchtop AQ6317 (600–1750 nm). Alias AQ6330.

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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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

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