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Data Sheet

August 3, 2026

ANDO

Ando AQ6315E 350-1750nm Optical Spectrum Analyzer

Ando AQ6315E 350-1750nm Optical Spectrum Analyzer The AQ6315E provides an optical spectrum analyzer covering 350 to 1750 nm with selectable single-pass/double-pass monochromator modes, ± 0.05 nm wavelength accuracy in the 1510–1570 nm band, and analysis capability for DWDM devices, lasers, and amplifiers. Wideband light-source evaluation from near-UV/visible through near-IR; DWDM and optical-device loss-wavelength characterization; high dynamic-range spectral measurements in double-pass mode; optical amplifier and laser spectral analysis. The AQ6315E provides an optical spectrum analyzer covering 350 to 1750 nm with selectable single-pass/double-pass monochromator modes, ± 0.05 nm wavelength accuracy in the 1510–1570 nm band, and analysis capability for DWDM devices, lasers, and amplifiers. Wideband light-source evaluation from near-UV/visible through near-IR; DWDM and optical-device loss-wavelength characterization; high dynamic-range spectral measurements in double-pass mode; optical amplifier and laser spectral analysis.



MODEL

Ando AQ6315E

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6315E

LISTING

<https://aumictechlabs.com/products/aq6315e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ6315E is a optical spectrum analyzer engineered for precision measurement across the UV-near-infrared spectrum from 350 nm to 1750 nm. Built for optical communication system testing, device characterization, and fiber measurements, this instrument delivers 70 dB dynamic range and exceptional wavelength accuracy of ± 0.5 nm across its full span, improving to ± 0.05 nm in the C-band (1510–1570 nm). The AQ6315E employs a dual-mode monochromator - selectable single-pass for broad application coverage or double-pass for enhanced dynamic range - paired with high sensitivity to -65 dBm and input power handling to +20 dBm (100 mW). Wavelength repeatability of ± 0.005 nm and resolution down to 0.05 nm enable detection of signals spanning seven orders of magnitude in a single measurement, supporting simultaneous analysis of low and high intensity signals. Fast sweep capability covers the full 350–1750 nm range in 2.5 seconds or less.

Technical Specifications

Wavelength Range:	350 nm to 1750 nm
Dynamic Range:	70 dB
Wavelength Accuracy:	± 0.5 nm (350–1750 nm); ± 0.05 nm (1510–1570 nm)
Wavelength Linearity:	± 0.02 nm (1510–1570 nm)
Wavelength Repeatability:	± 0.005 nm
Wavelength Resolution:	0.05 nm to 10 nm (selectable)
Level Accuracy:	± 0.3 dB
Level Linearity:	± 0.05 dB
Sensitivity:	-65 dBm
Maximum Input Power:	+20 dBm (100 mW)
Polarization Dependency:	± 0.01 dB
Sweep Time:	2.5 seconds or less (350–1750 nm)
Monochromator Modes:	Single-pass and double-pass selectable

Key Features

- Three trace memories for comparison and storage
- 9.4-inch color LCD display
- Optical output port
- Pulsed light measurement capability
- Pre-programmed analysis functions for diverse measurement tasks
- Built-in GPIB interface for remote control and data acquisition

Typical Applications

- DWDM device characterization
- EDFA performance evaluation
- LED, FB-LD, and FP-LD parameter measurement
- Fiber grating spectral analysis
- Optical filter insertion loss measurement
- Wavelength-dependent fiber attenuation characterization
- Broadband light source evaluation
- Color and spectral analysis

Physical Dimensions: 32 × 28 × 22 in
Weight: 70 lbs

Features & description

From manufacturer datasheet

Features

- Wavelength range 350 to 1750 nm
- Wavelength accuracy ± 0.05 nm (1510–1570 nm); linearity ± 0.02 nm
- Wavelength resolution 0.05 to 10 nm
- Wavelength repeatability ± 0.005 nm
- Single-pass / double-pass monochromator select
- Dynamic range: single-pass 40 dB (± 1 nm) / 35 dB (± 0.5 nm); double-pass 70 dB (± 1 nm) / 60 dB (± 0.5 nm) at 633/1152/1523 nm class
- Level accuracy ± 0.3 dB (633/1310/1550 nm); linearity ± 0.05 dB
- PDL ± 0.1 dB (single-pass) / ± 0.05 dB (double-pass) at 1310–1550 nm
- Max input +20 dBm; sweep 0.5 s or less (500 nm span class)
- Level range class –90 to +20 dBm (1000–1600 nm) / –75 to +20 dBm (350–1750 nm)

AQ6315E Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6315E
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	350 to 1750 nm
Wavelength Accuracy	±0.05 nm (1510–1570 nm)
Wavelength Resolution	0.05 to 10 nm
Monochromator Modes	Single-pass; double-pass
Max Input Power	+20 dBm
Related Models	AQ6315A/B; Advantest Q8381/Q8381A sometimes listed as functionally similar—confirm Ando AQ6315E faceplate
Alias	AQ6315E Standard Operating Conditions Select single-pass or double-pass for throughput versus dynamic-range needs. Warm up and calibrate before absolute wavelength/level work. Observe +20 dBm maximum input. Operational Notes
Generate and inventory as Ando AQ6315E	do not confuse with Advantest Q8381 catalog cross-listings. Distinct from AQ6315A. Alias AQ6315E.
Dynamic range	single-pass 40 dB (±1 nm) / 35 dB (±0.5 nm); double-pass 70 dB (±1 nm) / 60 dB (±0.5 nm) at 633/1152/1523 nm class
Wavelength repeatability	±0.005 nm - Single-pass / double-pass monochromator select - Dynamic range: single-pass 40 dB (±1 nm) / 35 dB (±0.5 nm); double-pass 70 dB (±1 nm) / 60 dB (±0.5 nm) at 633/1152/1523 nm class - Level accuracy ±0.3 dB (633/1310/1550 nm); linearity ±0.0

AQ6315E Specifications

PARAMETER	VALUE
Key Features	- Wavelength range 350 to 1750 nm
Technical Specifications	Model: AQ6315E
Operational Notes	Generate and inventory as Ando AQ6315E—do not confuse with Advantest Q8381 catalog cross-listings. Distinct from AQ6315A. Alias AQ6315E.

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	AQ6315E
Manufacturer	Ando Electric / Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	350 to 1750 nm
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Max Input Power	+20 dBm
Related Models	AQ6315A/B; Advantest Q8381/Q8381A sometimes listed as functionally similar-confirm Ando AQ6315E faceplate
Alias	AQ6315E

Standard Operating Conditions

Select single-pass or double-pass for throughput versus dynamic-range needs. Warm up and calibrate before absolute wavelength/level work. Observe +20 dBm maximum input.

Operational Notes

Generate and inventory as Ando AQ6315E-do not confuse with Advantest Q8381 catalog cross-listings. Distinct from AQ6315A. Alias AQ6315E.

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.