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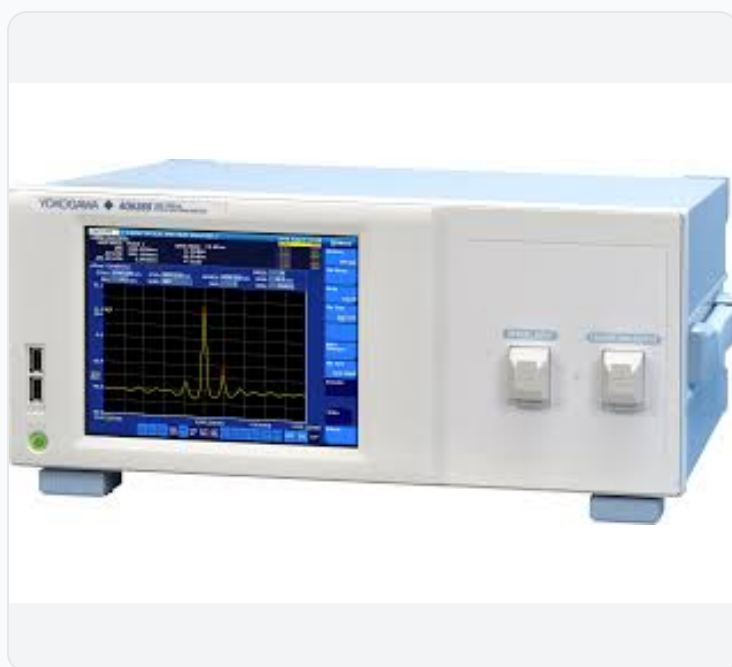
Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ6360 1200-1650nm Optical Spectrum Analyzer

Yokogawa AQ6360 Optical Spectrum Analyzer (1200 to 1650 nm) The Yokogawa AQ6360 is a diffraction-grating benchtop optical spectrum analyzer optimized for telecom-device production. The standard model covers 1200 to 1650 nm with 0.1 to 2 nm resolution, free-space SM/MM input, and sweep times down to 0.2 s (NORM_AUTO, 100 nm span class) for lasers, transceivers, and optical amplifiers on the manufacturing floor. LD chip, TO-CAN, and TOSA spectral test via multimode fiber; optical transceiver center wavelength, SMSR, and OSNR with BERT/ASE setups; EDFA gain and noise-figure (EDFA-NF) analysis; WDM channel tables in production; automated rack test with GP-IB and Ethernet (AQ6370D/AQ6317-class remote commands). The Yokogawa AQ6360 is a diffraction-grating benchtop optical spectrum analyzer optimized for telecom-device production. The standard model covers 1200 to 1650 nm with 0.1 to 2 nm resolution, free-space SM/MM input, and sweep times down to 0.2 s (NORM_AUTO, 100 nm span class) for lasers, transceivers, and optical amplifiers on the manufacturing floor. LD chip, TO-CAN, and TOSA spectral test via multimode fiber; optical transceiver center wavelength, SMSR, and OSNR with BERT/ASE setups; EDFA gain and noise-figure (EDFA-NF) analysis; WDM channel tables in production; automated rack test with GP-IB and Ethernet (AQ6370D/AQ6317-class remote commands).



MODEL

Yokogawa AQ6360

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6360

LISTING

<https://aumictechlabs.com/products/aq6360-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

Yokogawa AQ6360 1200-1650nm Optical Spectrum Analyzer, This optical spectrum analyzer delivers high-resolution measurements over the 1200 to 1650 nm wavelength range, ideal for telecommunications and photonics applications. It features a fast sweep speed, narrow resolution bandwidth, and low polarization dependency. The graphical display supports peak search, marker functions, and comparative analysis. Its rugged construction and user-friendly interface allow deployment in both laboratory and field environments. The unit supports USB and GPIB connectivity for seamless data transfer and remote control. Designed for the evaluation of optical amplifiers, filters, and sources, it ensures accurate characterization of wavelength-dependent components in dense WDM systems.

Aumictech – Yokogawa AQ6360 Optical Spectrum Analyzer 1200–1650 nm Specifications

Optical Performance Wavelength range: 1200 to 1650 nm Span: 0.5 nm to full range, and 0 nm Wavelength accuracy: ± 0.02 nm (C-band, 1520–1580 nm), ± 0.04 nm (1580–1620 nm), ± 0.1 nm across full range Wavelength linearity: ± 0.01 nm (1520–1580 nm) Wavelength repeatability: ± 0.005 nm Resolution bandwidth settings: 0.02, 0.05, 0.1, 0.2, 0.5, 1.0, 2.0 nm Resolution accuracy: $\pm 5\%$ (≥ 0.05 nm RBW, with resolution correction ON) Minimum sampling resolution: 0.001 nm

Level / Power Measurement Sensitivity modes: NORM_AUTO, NORMAL, MID, HIGH1, HIGH2, HIGH3 Sensitivity (typical): -80 dBm (1300–1600 nm, HIGH3 mode) Maximum safe input power: $+20$ dBm Level accuracy: ± 0.3 dB (1310/1550 nm, -20 dBm input, MID/HIGH modes) Level linearity: ± 0.05 dB (-50 to $+10$ dBm) Flatness: ± 0.1 dB (1520–1580 nm), ± 0.2 dB (1580–1620 nm) Polarization dependence: $\leq \pm 0.05$ dB

Dynamic Range & Stray Light Dynamic range (typical): 70 dB at ± 0.4 nm (0.05 nm RBW) 55 dB at ± 0.2 nm (0.02 nm RBW) Stray light suppression ratio: ~ 75 dB typical Overall level range: $+20$ to -80 dBm

Sweep & Speed Sweep time (100 nm span, typical): FAST mode: ~ 0.2 – 0.5 s NORMAL mode: ~ 1 – 2 s HIGH SENS mode: 20–60 s Sweep modes: single, repeat, and continuous High dynamic mode: available to reduce stray light and improve close-in dynamic range

Display, Storage & Interfaces Display: 10.4-inch color LCD, 800×600 resolution Trace memory: up to 64 traces Trace functions: subtraction, Max/Min hold, overlay comparison Interfaces: GP-IB, RS-232C, Ethernet, USB, trigger in/out, VGA output Data export formats: CSV, binary, BMP, TIFF Printer option: built-in thermal printer available

Physical & Power Dimensions (W×H×D): approx. 426 × 221 × 459 mm Weight: approx. 19 kg (without printer) Power supply: 100–240 VAC, 50/60 Hz, ~ 150 VA Operating environment: Guaranteed performance: $+18$ to $+28$ °C Operating: $+5$ to $+35$ °C Storage: -10 to $+50$ °C Humidity: $\leq 80\%$ RH, non-condensing Warm-up time: ~ 1 hour

Comparison: AQ6360 vs AQ6370 Series Wavelength coverage: AQ6360 spans 1200–1650 nm, while AQ6370C/D extend wider (600–1700 nm). Resolution & accuracy: Both offer 0.02 nm resolution with similar ± 0.02 nm accuracy in C-band; AQ6370D achieves ± 0.01 nm in versions. Dynamic range: AQ6360 provides ~ 70 dB close-in dynamic range; AQ6370D can exceed 75–80 dB depending on settings.

Positioning: AQ6360 is well-suited for telecom and fiber R&D focused on the 1200–1650 nm window, while AQ6370 series covers both telecom and broader R&D applications. Why Choose Aumictech for the Yokogawa AQ6360? The Yokogawa AQ6360 Optical Spectrum Analyzer is a reliable solution for telecom system testing, fiber optic development, and optical device characterization in the 1200–1650 nm band. Its balance of accuracy, sensitivity, and fast sweep speeds makes it a strong performer in both R&D and production environments. At Aumictech, we provide: NIST-traceable calibration for guaranteed wavelength and power accuracy Professional

repair and servicing to maximize instrument life Expert guidance on whether the AQ6360 or AQ6370 series best fits your application needs

Features & description

From manufacturer datasheet

Features

- Free-space optical input accepts SM and GI MM fiber, PC or APC, with no internal fiber to clean
- Built-in analysis: WDM/OSNR, SMSR, DFB-LD, EDFA-NF, spectral width, and related telecom functions
- Optional built-in wavelength reference source (/LFC or /LSC) for calibration after warm-up
- 8.4-inch multi-touch color LCD (800 × 600); 4U height, one unit lower than AQ6370-series benches
- GP-IB, Ethernet, USB, and SVGA; AQ6370D-compatible remote command set
- Optional NA conversion adapters for GI 50/125 um and GI 62.5/125 um production fibers

Polarization Dependence: +/-0.1 dB (1550 nm)

Close In Dynamic Range: 55 dB (peak +/-0.4 nm), 40 dB (peak +/-0.2 nm) at 0.1 nm resolution Optical Return Loss: 35 dB typical (angled-PC); 15 dB typical (PC) Sweep Time NORM AUTO: 0.2 s (span 100 nm or less, 1001 points, average 1) Sweep Time NORMAL: 0.5 s (same span/points conditions) Sweep Time MID: 1 s Sweep Time HIGH1: 2.5 s Sweep Time HIGH2: 10 s Sensitivity Settings: NORM_HOLD, NORM_AUTO, NORMAL, MID, HIGH1, HIGH2 Applicable Fiber: SM 9.5/125 um; GI 50/125 um; GI 62.5/125 um Optical Input: free-space; FC or SC adapter Display: 8.4-inch color LCD touchscreen, 800 x 600 Internal Storage: 512 MBytes; USB external storage (CSV, binary, BMP, TIFF) Interfaces: GP-IB; Ethernet TCP/IP; USB; SVGA output Power Supply: 100 to 240 VAC, 50/60 Hz, approx. 100 VA Dimensions: approx. 426 W x 177 H x 459 D mm Mass: approx. 15.5 kg Warm Up Time: minimum 1 hour (then wavelength calibration required) Performance Temperature: +18 to +28 degC Operating Temperature: +5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ6360 Notes Specs from Yokogawa AQ6360 bulletin (standard 1200 to 1650 nm model, suffix -10). Wavelength accuracy after warm-up and calibration with built-in reference or a 1520 to 1560 nm SLM laser. Confirm FC/SC adapter, /LFC or /LSC reference source, and that the unit is not an extended-band variant.

AQ6360 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6360
Manufacturer	Yokogawa
Instrument Type	Optical Spectrum Analyzer
Series	AQ6360 Telecom Production OSA
Wavelength Range	1200 to 1650 nm (standard model, suffix -10)
Span	0.1 to 450 nm (full range) and 0 nm
Wavelength AccuracyCBand	+/-0.02 nm (1520 to 1580 nm)
Wavelength AccuracyLBand	+/-0.04 nm (1580 to 1620 nm)
Wavelength Accuracy Full	+/-0.10 nm (1200 to 1650 nm)
Wavelength Linearity	+/-0.02 nm (1520 to 1580 nm and 1580 to 1620 nm)
Wavelength Repeatability	+/-0.01 nm (1 min)
Resolution Settings	0.1, 0.2, 0.5, 1, and 2 nm
Resolution Bandwidth Accuracy	+/-5%
Minimum Sampling Resolution	0.001 nm
Sampling Points	101 to 50001, AUTO
Level Sensitivity	-80 dBm (1300 to 1620 nm, HIGH2, 0.1 nm resolution)
Level Range	+20 to -80 dBm
Maximum Input Power	+20 dBm per set wavelength resolution
Maximum Safe Input Power	+25 dBm total input power
Level Accuracy	+/-0.5 dB (1310/1550 nm, -20 dBm, MID, HIGH1-2)
Level Linearity	+/-0.1 dB (-50 to +10 dBm, MID, HIGH1-2)
Level Flatness	+/-0.2 dB (1520 to 1580 nm and 1580 to 1620 nm)
Polarization Dependence	+/-0.1 dB (1550 nm)
Close In Dynamic Range	55 dB (peak +/-0.4 nm), 40 dB (peak +/-0.2 nm) at 0.1 nm resolution
Optical Return Loss	35 dB typical (angled-PC); 15 dB typical (PC)

PARAMETER	VALUE
Sweep Time NORM AUTO	0.2 s (span 100 nm or less, 1001 points, average 1)
Sweep Time NORMAL	0.5 s (same span/points conditions)
Sweep Time MID	1 s
Sweep Time HIGH	2.5 s
Sensitivity Settings	NORM_HOLD, NORM_AUTO, NORMAL, MID, HIGH1, HIGH2
Applicable Fiber	SM 9.5/125 μm ; GI 50/125 μm ; GI 62.5/125 μm
Optical Input	free-space; FC or SC adapter
Display	8.4-inch color LCD touchscreen, 800 $\times$ 600
Internal Storage	512 MBytes; USB external storage (CSV, binary, BMP, TIFF)
Interfaces	GP-IB; Ethernet TCP/IP; USB; SVGA output
Power Supply	100 to 240 VAC, 50/60 Hz, approx. 100 VA
Dimensions	approx. 426 W x 177 H x 459 D mm
Mass	approx. 15.5 kg
Warm Up Time	minimum 1 hour (then wavelength calibration required)
Performance Temperature	+18 to +28 degC Operating Temperature: +5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ6360 Notes Specs from Yokogawa AQ6360 bulletin (standard 1200 to 1650 nm model, suffix -10). Wavelength accuracy after warm-up and calibration with built-in reference or a 1520 to 1560 nm SLM laser. Confirm FC/SC adapter, /LFC or /LSC reference source, and that the unit is not an extended-band variant.
Built-in analysis	WDM/OSNR, SMSR, DFB-LD, EDFA-NF, spectral width, and related telecom functions
Wavelength resolution	Maximum Safe Input Power: +25 dBm total input power
Bandwidth	Accuracy: +/-5%
Storage temperature	10 to +50 degC Alias: AQ6360
Operating temperature	+5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ6360
Return loss	35 dB typical (angled-PC); 15 dB typical (PC)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	10 to +50 degC Alias: AQ6360
Operating temperature	+5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ6360
Operating Temperature	+5 to +35 degC Storage Temperature: -10 to +50 degC Alias: AQ6360

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	
Technical Specifications	
PARAMETER	VALUE
Model	AQ6360
Manufacturer	Yokogawa
Instrument Type	Optical Spectrum Analyzer
Series	AQ6360 Telecom Production OSA
Wavelength Range	1200 to 1650 nm (standard model, suffix -10)
Span	0.1 to 450 nm (full range) and 0 nm
Wavelength Accuracy C Band	+/-0.02 nm (1520 to 1580 nm)
Wavelength Accuracy L Band	+/-0.04 nm (1580 to 1620 nm)
Wavelength Accuracy Full	+/-0.10 nm (1200 to 1650 nm)
Wavelength Linearity	+/-0.02 nm (1520 to 1580 nm and 1580 to 1620 nm)
Wavelength Repeatability	+/-0.01 nm (1 min)
Resolution Settings	0.1, 0.2, 0.5, 1, and 2 nm
Resolution Bandwidth Accuracy	+/-5%
Minimum Sampling Resolution	0.001 nm
Sampling Points	101 to 50001, AUTO
Level Sensitivity	-80 dBm (1300 to 1620 nm, HIGH2, 0.1 nm resolution)
Level Range	+20 to -80 dBm
Maximum Input Power	+20 dBm per set wavelength resolution
Maximum Safe Input Power	+25 dBm total input power
Level Accuracy	+/-0.5 dB (1310/1550 nm, -20 dBm, MID, HIGH1-2)
Level Linearity	+/-0.1 dB (-50 to +10 dBm, MID, HIGH1-2)
Level Flatness	+/-0.2 dB (1520 to 1580 nm and 1580 to 1620 nm)
Polarization Dependence	+/-0.1 dB (1550 nm)
Close In Dynamic Range	55 dB (peak +/-0.4 nm), 40 dB (peak +/-0.2 nm) at 0.1 nm resolution
Optical Return Loss	35 dB typical (angled-PC); 15 dB typical (PC)
Sweep Time NORM AUTO	0.2 s (span 100 nm or less, 1001 points, average 1)

PARAMETER	VALUE
Sweep Time NORMAL	0.5 s (same span/points conditions)
Sweep Time MID	1 s
Sweep Time HIGH1	2.5 s
Sweep Time HIGH2	10 s
Sensitivity Settings	NORM_HOLD, NORM_AUTO, NORMAL, MID, HIGH1, HIGH2
Applicable Fiber	SM 9.5/125 um; GI 50/125 um; GI 62.5/125 um
Optical Input	free-space; FC or SC adapter
Display	8.4-inch color LCD touchscreen, 800 x 600
Internal Storage	512 MBytes; USB external storage (CSV, binary, BMP, TIFF)
Interfaces	GP-IB; Ethernet TCP/IP; USB; SVGA output
Power Supply	100 to 240 VAC, 50/60 Hz, approx. 100 VA
Dimensions	approx. 426 W x 177 H x 459 D mm
Mass	approx. 15.5 kg
Warm Up Time	minimum 1 hour (then wavelength calibration required)
Performance Temperature	+18 to +28 deg C
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Storage Temperature	-10 to +50 deg C
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Sweep Time HIGH2	10 s
Sensitivity Settings	NORM_HOLD, NORM_AUTO, NORMAL, MID, HIGH1, HIGH2
Applicable Fiber	SM 9.5/125 um; GI 50/125 um; GI 62.5/125 um
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Notes

Specs from Yokogawa AQ6360 bulletin (standard 1200 to 1650 nm model, suffix -10). Wavelength accuracy after warm-up and calibration with built-in reference or a 1520 to 1560 nm SLM laser. Confirm FC/SC adapter, /LFC or /LSC reference source, and that the unit is not an extended-band variant.

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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<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.