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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ6373B 350-1200nm Optical Spectrum Analyzer

Yokogawa AQ6373B Optical Spectrum Analyzer The Yokogawa AQ6373B is a diffraction-grating benchtop optical spectrum analyzer covering 350 to 1200 nm for WDM, component, and research photonics spectral measurement. Built-in analysis for WDM, OSNR, EDFA NF, laser SMSR, and related telecom/photonics tests. WDM channel and OSNR analysis; EDFA gain and noise figure; DFB/FP/LED spectral characterization; visible-to-IR component test; R&D and production optical spectrum verification. The Yokogawa AQ6373B is a diffraction-grating benchtop optical spectrum analyzer covering 350 to 1200 nm for WDM, component, and research photonics spectral measurement. Built-in analysis for WDM, OSNR, EDFA NF, laser SMSR, and related telecom/photonics tests. WDM channel and OSNR analysis; EDFA gain and noise figure; DFB/FP/LED spectral characterization; visible-to-IR component test; R&D and production optical spectrum verification.



MODEL

**Yokogawa
AQ6373B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6373B

LISTING

<https://aumictechlabs.com/products/aq6373b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Yokogawa AQ6373B is a visible wavelength optical spectrum analyzer engineered for high-speed, accurate spectral analysis across the 350 to 1200 nm range. Part of the AQ6370 Series, it

delivers ± 0.05 nm wavelength accuracy with resolution down to 0.01 nm (400–470 nm) and 0.02–10 nm across the full spectrum. The instrument achieves -80 dBm sensitivity and ≥ 60 dB dynamic range through an advanced monochromator, enabling precise measurement of closely spaced spectral lines and weak optical signals. It captures 50,001 data points per sweep while maintaining high wavelength resolution, with measurement speed enhanced by optimized electrical circuits and noise reduction techniques. Designed for development and manufacturing across laser diodes, fiber lasers, passive devices, and LEDs, the AQ6373B serves biomedical, material processing, consumer product, and telecommunications markets. Built-in optical alignment and wavelength calibration with external reference sources ensure sustained performance. The instrument supports single-mode, multimode, and large-core fiber inputs with small insertion loss variation for enhanced measurement repeatability. A color analysis function addresses VIS applications specifically. Measurement modes include pulse peak spectrum analysis for pulsed light signals - valuable for transmission loop testing and low-power laser chip characterization - and high dynamic mode to suppress stray light influence from strong signals. Seven sensitivity settings and fast warm-up (within minutes) enable rapid, accurate characterization. Intuitive front-panel control with mouse and keyboard support streamlines operation. Maximum safe input power is +20 dBm.

Technical Specifications

Wavelength range:	350–1200 nm
Wavelength accuracy:	± 0.05 nm
Wavelength resolution:	0.01 nm (400–470 nm); 0.02–10 nm (full range)
Level sensitivity:	-80 dBm
Dynamic range:	≥ 60 dB
Maximum safe input power:	+20 dBm
Data sampling:	50,001 points per sweep
Optical fiber support:	Single-mode, multimode, large-core

Key Features

- Advanced monochromator for high resolution and close-in dynamic range
- Seven sensitivity settings for weak signal measurement
- High dynamic mode for stray-light reduction on strong inputs
- Pulse peak spectrum measurement for pulsed laser analysis
- Built-in optical alignment and external wavelength calibration
- Color analysis function (VIS)
- Fast warm-up and measurement speed
- Low insertion loss variation at input connector

Typical Applications

- Laser diode and fiber laser development
- Optical filter and FBG characterization
- Biomedical and material processing applications
- Consumer product optics validation
- Telecommunications component testing

Compatibility & Integration

- Single-mode, multimode, and large-core fiber inputs
- External wavelength reference support
- Mouse and keyboard control

Features & description

From manufacturer datasheet

Features

- Wavelength range 350 to 1200 nm

Polarization Dependence: +/-0.15 dB typical (1550 nm class)

Warm Up Time: minimum 1 hour Applicable Fiber: SM (9/125); MM (50/125, 62.5/125); large core to 800 um (model dependent) Optical Connector: FC or SC via adapter (option) Built in Reference Source: wavelength reference for alignment and calibration Alias: AQ6373B Span Range: 0.5 nm to full span Level Accuracy: +/-1.0 dB at 633 nm class Level Linearity: +/-0.2 dB typical Color Analysis: dominant wavelength and chromatic coordinates (visible band) Dimensions: approx. 426 W x 177 H x 459 D mm Mass: approx. 14 kg Notes Specs from Yokogawa AQ6373B datasheet and OSA selection guide. High Resolution (-20) variant for 0.01 nm mode. Confirm installed suffix (-10 Standard, -20 High Performance where applicable).

AQ6373B Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6373B
Manufacturer	Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	350 to 1200 nm
Wavelength Accuracy	+/-0.05 nm (633 nm); +/-0.2 nm (400 to 1100 nm)
Resolution Settings	0.01 nm (350 to 600 nm High Resolution); 0.02 to 2 nm
Level Range	+20 to -80 dBm
Level Sensitivity	-80 dBm (500 to 1000 nm)
Close in Dynamic Range	60 dB (633 nm, +/-0.5 nm)
Input	Free-space; SM, MM, and large-core fiber compatible
Analysis Functions	WDM, OSNR, EDFA NF, DFB/FP/LED, SMSR, color analysis (visible models)
Sweep Speed	approximately 0.5 s per 100 nm span
Max Safe Input Power	+20 dBm class (wavelength dependent)
Polarization Dependence	+/-0.15 dB typical (1550 nm class)
Warm Up Time	minimum 1 hour
Applicable Fiber	SM (9/125); MM (50/125, 62.5/125); large core to 800 um (model dependent)
Optical Connector	FC or SC via adapter (option)
Built in Reference Source	wavelength reference for alignment and calibration
Alias	AQ6373B
Span Range	0.5 nm to full span
Level Accuracy	+/-1.0 dB at 633 nm class
Level Linearity	+/-0.2 dB typical
Color Analysis	dominant wavelength and chromatic coordinates (visible band)
Dimensions	approx. 426 W x 177 H x 459 D mm

PARAMETER	VALUE
Mass	approx. 14 kg Notes Specs from Yokogawa AQ6373B datasheet and OSA selection guide. High Resolution (-20) variant for 0.01 nm mode. Confirm installed suffix (-10 Standard, -20 High Performance where applicable).

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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Notes

Specs from Yokogawa AQ6373B datasheet and OSA selection guide. High Resolution (-20) variant for 0.01 nm mode. Confirm installed suffix (-10 Standard, -20 High Performance where applicable).

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>

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.