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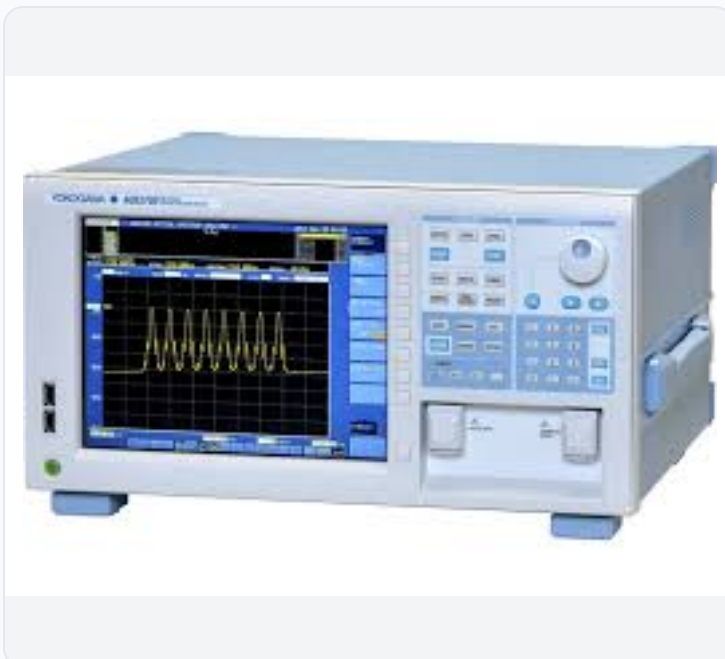
Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ6370D 600-1700nm Optical Spectrum Analyzer

Yokogawa AQ6370D Optical Spectrum Analyzer The Yokogawa AQ6370D is a diffraction-grating benchtop optical spectrum analyzer covering 600 to 1700 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 AQ6370D is a diffraction-grating benchtop optical spectrum analyzer covering 600 to 1700 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
AQ6370D**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6370D

LISTING

<https://aumictechlabs.com/products/aq6370d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ6370D Optical Spectrum Analyzer is a instrument designed for analyzing the spectral components of light. Covering the 600 to 1700 nm wavelength range, it is suitable for

characterizing optical devices and systems in telecommunications, research, and manufacturing. Key features include high wavelength accuracy, resolution bandwidth settings, and a wide dynamic range, enabling precise measurement of optical signals. The AQ6370D supports various analysis functions, such as peak search, spectral width measurement, and optical power measurement. Its user-friendly interface and comprehensive software facilitate efficient data acquisition and analysis.

Aumictech – Yokogawa AQ6370D 600–1700 nm Optical Spectrum Analyzer Specifications

Optical Performance

Wavelength range: 600 to 1700 nm Span: 0.5 nm to 1100 nm (full span), and 0 nm Wavelength accuracy: Standard Model (-10): ± 0.02 nm (1520–1580 nm), ± 0.02 nm (1580–1620 nm), ± 0.04 nm (1450–1520 nm), ± 0.1 nm (full range) Model (-20): ± 0.01 nm (1520–1580 nm), ± 0.02 nm (1580–1620 nm), ± 0.04 nm (1450–1520 nm), ± 0.1 nm (full range) Wavelength repeatability: ± 0.002 nm (typical, C-band) Resolution bandwidth settings: 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2 nm Minimum sampling resolution: 0.001 nm; 101 to 50,001 points

Level / Power Sensitivity modes: NORM_AUTO, NORMAL, MID, HIGH1, HIGH2, HIGH3

Sensitivity (typical): -90 dBm (1300–1620 nm), -85 dBm (1000–1300 nm), -60 dBm (600–1000 nm) Maximum input power: +20 dBm per channel, +25 dBm safe total Level accuracy: ± 0.2 dB (C-band, -20 dBm input) Level linearity: ± 0.02 dB (-50 to +10 dBm, C-band) Level flatness: ± 0.1 dB (1520–1580 nm), ± 0.2 dB (1450–1520 nm, 1580–1620 nm) Polarization dependence: ± 0.02 dB (C-band)

Dynamic Range & Stray Light

Close-in dynamic range: At 0.02 nm RBW: up to 60 dB (± 0.2 nm) At 0.05 nm RBW: up to 78 dB (± 1.0 nm, typical) At 0.1 nm RBW: up to 67 dB (± 0.4 nm, typical) Stray light suppression ratio: up to 80 dB (typical model) Wide level range: +20 to -90 dBm Sweep & Speed Sweep times (100 nm span, typical): NORM_AUTO: 0.2 s NORMAL: 0.5–1 s MID: 2 s HIGH1: 5 s HIGH2: 20 s HIGH3: 75 s High dynamic mode: available, reducing stray-light effects

Fiber & Optical Interfaces

Applicable fibers: Single-mode 9.5/125 μ m, GI 50/125 μ m, 62.5/125 μ m Optical input: AQ9447 connector adapter (FC/SC/ST) Calibration output: AQ9441 universal adapter (FC/SC/ST) Optical return loss: typically 35 dB (with APC connector) Built-in wavelength reference source: included for calibration and alignment APC level correction: supported

Interfaces & Control

Remote control: GP-IB, RS-232, Ethernet (SCPI compatible, AQ6317 emulation, LabVIEW driver) I/O ports: GP-IB, RS-232, Ethernet (10/100Base-T), USB, PS/2 keyboard, SVGA output, trigger in/out

Display & Storage

Display: 10.4-inch color LCD, 1024×768 resolution Internal storage: 512 MB; up to 64 traces and 64 programs External storage: USB (FAT32), file formats: CSV, Binary, BMP, TIFF Trace functions: up to 7 simultaneous traces, subtraction, Max/Min hold, All-at-Once save Printer option: built-in thermal printer available

Physical & Power Dimensions

426 × 221 × 459 mm (W×H×D, without protector/handle) Weight: approx. 19 kg (without printer) Power supply: 100–240 VAC, 50/60 Hz, ~150 VA Operating conditions: Performance guarantee: +18 to +28 °C Operating: +5 to +35 °C Storage: -10 to +50 °C Humidity: ≤ 80 %RH (non-condensing) Warm-up time: 1 hour minimum

Models & Options

Models: AQ6370D-10 (Standard), AQ6370D-20 (High-performance) Connector adapters: AQ9447 (FC/SC/ST), AQ9441 universal adapter (FC/SC/ST) Options: /B5 thermal printer

Why Choose Aumictech for the Yokogawa AQ6370D?

The Yokogawa AQ6370D 600–1700 nm Optical Spectrum Analyzer represents one of the most advanced OSAs available, with accuracy, high dynamic range, and fast sweep speed. At Aumictech, we supply, calibrate, and repair the AQ6370D for manufacturers, research labs, and telecom providers who require precision and reliability. Our calibration

Features & description

From manufacturer datasheet

Features

- Wavelength range 600 to 1700 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: AQ6370D Span Range: 0.5 nm to full span Level Accuracy: +/-1.0 dB at 1550 nm, -20 dBm (HIGH1-3) Level Linearity: +/-0.2 dB (-40 to 0 dBm, HIGH1-3) Sweep Modes: NORM_AUTO, NORMAL, MID, HIGH1-3 Dimensions: approx. 426 W x 177 H x 459 D mm Mass: approx. 14 kg Notes Specs from Yokogawa AQ6370D datasheet and OSA selection guide. Standard (-10) and High Performance (-20) suffix variants. Confirm installed suffix (-10 Standard, -20 High Performance where applicable).

AQ6370D Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6370D
Manufacturer	Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	600 to 1700 nm
Wavelength Accuracy	+/-0.01 nm (High Performance C-band class)
Resolution Settings	0.02 to 2 nm
Level Range	+20 to -90 dBm
Level Sensitivity	-90 dBm (High Performance, 1520 to 1620 nm)
Close in Dynamic Range	approximately 78 dB typical (High Performance)
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 0.2 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	AQ6370D
Span Range	0.5 nm to full span
Level Accuracy	+/-1.0 dB at 1550 nm, -20 dBm (HIGH1-3)
Level Linearity	+/-0.2 dB (-40 to 0 dBm, HIGH1-3)
Sweep Modes	NORM_AUTO, NORMAL, MID, HIGH1-3
Dimensions	approx. 426 W x 177 H x 459 D mm

PARAMETER

VALUE

Mass

approx. 14 kg Notes Specs from Yokogawa AQ6370D datasheet and OSA selection guide. Standard (-10) and High Performance (-20) suffix variants. 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.

Performance C-band class)

- Resolution settings 0.02 to 2 nm
- Level range +20 to -90 dBm
- Close-in dynamic range approximately 78 dB typical (High Performance)
- Free-space input for SM/MM/large-core fiber
- Fast sweep approximately approximately 0.2 s per 100 nm span

Technical Specifications

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PARAMETER	VALUE
Model	AQ6370D
Manufacturer	Yokogawa
Instrument Type	Optical Spectrum Analyzer

Specifications

PARAMETER	VALUE
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Wavelength Accuracy	+/-0.01 nm (High Performance C-band class)
Resolution Settings	0.02 to 2 nm

Specifications

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Optical Connector	FC or SC via adapter (option)
Built in Reference Source	wavelength reference for alignment and calibration

Specifications

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Specifications

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Sweep Modes	NORM_AUTO, NORMAL, MID, HIGH1-3
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Notes

Specs from Yokogawa AQ6370D datasheet and OSA selection guide. Standard (-10) and High Performance (-20) suffix variants. 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 ·
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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.