

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

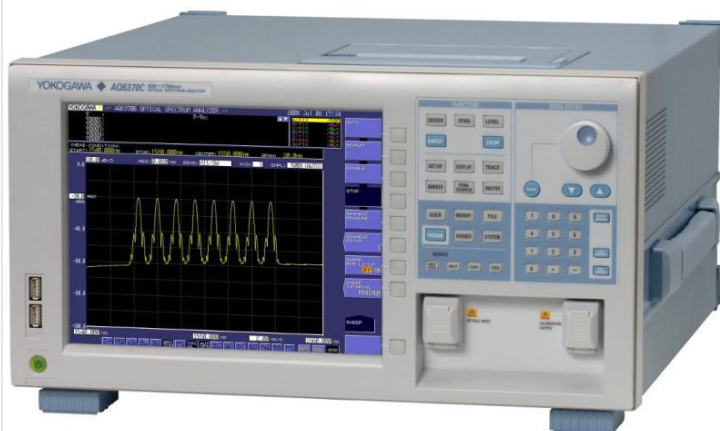
Data Sheet

August 2, 2026

YOKOGAWA

Yokogawa AQ6370C 600-1700nm Optical Spectrum Analyzer

Yokogawa AQ6370C 600-1700nm Optical Spectrum Analyzer The AQ6370C provides a diffraction-grating optical spectrum analyzer designed for 600 to 1700 nm wavelength coverage with ± 0.01 nm wavelength accuracy class, high close-in dynamic range, and built-in WDM, OSNR, EDFA noise figure, and laser SMSR analysis functions. Standard (-10) and High Performance (-20) hardware variants are available with differing dynamic range capability. WDM channel analysis and OSNR measurement; EDFA gain and noise figure characterization; DFB, FP, and LED spectral analysis; SMSR and side-mode evaluation; component and system optical spectrum verification; free-space and fiber-coupled SM/MM input measurements across telecom and general photonics bands. The AQ6370C provides a diffraction-grating optical spectrum analyzer designed for 600 to 1700 nm wavelength coverage with ± 0.01 nm wavelength accuracy class, high close-in dynamic range, and built-in WDM, OSNR, EDFA noise figure, and laser SMSR analysis functions. Standard (-10) and High Performance (-20) hardware variants are available with differing dynamic range capability. WDM channel analysis and OSNR measurement; EDFA gain and noise figure characterization; DFB, FP, and LED spectral analysis; SMSR and side-mode evaluation; component and system optical spectrum verification; free-space and fiber-coupled SM/MM input measurements across telecom and gene



MODEL

**Yokogawa
AQ6370C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6370C

LISTING

<https://aumictechlabs.com/products/aq6370c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

Calibrated Unit. Used unit with less run time. Very good cosmetic condition. The Yokogawa AQ6370C optical spectrum analyzer is a versatile instrument for analyzing the spectral characteristics of light sources and optical components. With a wavelength range of 600 to 1700nm, it can be used to measure the spectral width, center wavelength, and side mode suppression ratio of lasers, as well as the insertion loss and return loss of optical filters and other passive components. The AQ6370C's high wavelength accuracy and resolution ensure precise measurements, while its wide dynamic range allows for the analysis of both strong and weak optical signals.

Aumictech – Yokogawa AQ6370C 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 linearity: ± 0.01 nm (1520–1580 nm); ± 0.02 nm (1450–1520 nm, 1580–1620 nm) Wavelength repeatability: ± 0.005 nm (1 min) 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_HOLD, 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: ± 0.4 dB (1310/1550 nm at -20 dBm input) Level linearity: ± 0.05 dB (-50 to +10 dBm) Level flatness: ± 0.1 dB (1520–1580 nm), ± 0.2 dB (1450–1520 nm, 1580–1620 nm) Polarization dependence: ± 0.05 dB (1550/1600 nm), ± 0.08 dB (1310 nm)

Dynamic Range & Stray Light Close-in dynamic range (Std vs High-performance): At 0.02 nm RBW: 55 dB vs 58 dB (typical 60 dB) At 0.05 nm RBW: 73 dB vs 73 dB (typical 78 dB) At 0.1 nm RBW: 57 dB vs 60 dB (typical 67 dB) Stray light suppression ratio: 73 dB (Standard), 76 dB (typical 80 dB) Wide level range: +20 to -90 dBm Sweep & Speed Sweep times (100 nm span, typical): NORM_AUTO: 0.2 s NORMAL: 1 s MID: 2 s HIGH1: 5 s HIGH2: 20 s HIGH3:

75 s High Dynamic mode: available
Fiber & Optical Interfaces Applicable fibers: Single-mode 9.5/125 μm , OM 50/125 μm , OM 62.5/125 μm
Optical input: with AQ9447 connector adapter (FC/SC/ST)
Calibration output: with AQ9441 universal adapter (FC/SC/ST) Optical return loss: typically 35 dB (with APC connector)
Built-in calibration source: included for wavelength reference and alignment
APC level correction: supported
Interfaces & Control Remote control: GP-IB, RS-232, Ethernet (SCPI compliant, AQ6317 emulation, LabVIEW driver)
I/O ports: GP-IB, RS-232, Ethernet (10/100Base-T), USB, PS/2 keyboard, SVGA output, analog out, trigger in/out
Display & Storage Display: 10.4-inch color LCD, 800×600 resolution Internal storage: 512 MB; up to 64 traces and 64 programs
External storage: USB (FAT32), file formats include CSV, Binary, BMP, TIFF Trace functions: up to 7 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: AQ6370C-10 (Standard), AQ6370C-20 (High-performance) Connector adapters: AQ9447 (FC/SC/ST), AQ9441 universal adapter (FC/SC/ST) Options: /B5 thermal printer
Why Choose Aumictech for Yokogawa AQ6370C? At Aumictech, we specialize in supplying, repairing, and calibrating high-end optical spectrum analyzers like the Yokogawa AQ6370C 600–1700 nm. Whether your lab needs precise wavelength analysis, wide dynamic range

Features & description

From manufacturer datasheet

Features

- Wavelength range 600 to 1700 nm • Diffraction grating monochromator architecture • Wavelength accuracy ± 0.01 nm (High 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 model) • Free-space input for singlemode and multimode • WDM, OSNR, EDFA-NF, DFB/FP/LED/SMSR analysis
- Sweep speed approximately 0.2 s per 100 nm span class • Standard (-10) and High Performance (-20) variants

AQ6370C Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6370C
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
Input	Free-space, singlemode and multimode compatible
Analysis Functions	WDM, OSNR, EDFA noise figure, DFB/FP/LED, SMSR
Sweep Speed	Approximately 0.2 s per 100 nm span class
Variants	Standard (-10 suffix) and High Performance (-20 suffix)
Alias	AQ6370C Standard Operating Conditions Warm up per manufacturer recommendation before wavelength-accuracy-critical measurements. Select resolution and sensitivity appropriate to signal level and required sweep time. Use correct input optics and attenuation for signals above +20 dBm class.
Attenuation	for signals above +20 dBm class.

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 (-20) hardware variants are available with differing dynamic range capability.

Applications

WDM channel analysis and OSNR measurement; EDFA gain and noise figure characterization; DFB, FP, and LED spectral analysis; SMSR and side-mode evaluation; component and system optical spectrum verification; free-space and fiber-coupled SM/MM input measurements across telecom and general photonics bands.

Key Features

- Wavelength range 600 to 1700 nm
- Diffraction grating monochromator architecture
- Wavelength accuracy ±0.01 nm (High 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 model)
- Free-space input for singlemode and multimode
- WDM, OSNR, EDFA-NF, DFB/FP/LED/SMSR analysis
- Sweep speed approximately 0.2 s per 100 nm span class
- Standard (-10) and High Performance (-20) variants

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	AQ6370C
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

Close-in Dynamic Range: Approximately 78 dB typical (High Performance variant)

Specifications

PARAMETER	VALUE
Input	Free-space, singlemode and multimode compatible
Analysis Functions	WDM, OSNR, EDFA noise figure, DFB/FP/LED, SMSR
Sweep Speed	Approximately 0.2 s per 100 nm span class
Variants	Standard (-10 suffix) and High Performance (-20 suffix)
Alias	AQ6370C

Standard Operating Conditions

Warm up per manufacturer recommendation before wavelength-accuracy-critical measurements. Select resolution

and sensitivity appropriate to signal level and required sweep time. Use correct input optics and attenuation for signals above +20 dBm class.

Operational Notes

Confirm whether unit is Standard (-10) or High Performance (-20) variant—close-in dynamic range and some accuracy specs differ. High Performance model required for ± 0.01 nm C-band class accuracy claims. Alias AQ6370C.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 2, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.