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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ6374 350-1750nm Optical Spectrum Analyzer

Yokogawa AQ6374 Optical Spectrum Analyzer The Yokogawa AQ6374 is a diffraction-grating benchtop optical spectrum analyzer covering 350 to 1750 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 AQ6374 is a diffraction-grating benchtop optical spectrum analyzer covering 350 to 1750 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 AQ6374

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ6374

LISTING

<https://aumictechlabs.com/products/aq6374-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

Built-in cut filter eliminates high-order diffracted light Air purge system (nitrogen or dry air) minimizes water-vapor absorption effects Built-in calibration source enables automatic optical alignment and wavelength calibration Analysis Capabilities Sixteen embedded analysis functions

cover WDM/OSNR, optical fiber amplifiers, DFB-LD, FP-LD/VCSEL, LED, spectral width, notch width, SMSR, PMD, optical power, color analysis, optical filters (PK, BTM, WDM variants), and passive device evaluation (FBG, WDM filters). User Interface 10.4-inch multi-touch capacitive touchscreen with ergonomic graphical interface, full text menus, hard key panel mirroring, tap-and-drag zoom/shift waveform control, and thumbnail file preview. Data Management 512 Mbyte internal storage; USB connectivity for external data transfer. All-at-Once Trace Filing saves all seven traces in single CSV file. Typical Applications Laser characterization, WDM system validation, optical amplifier testing, component qualification (filters, couplers, FBGs), and spectral analysis in photonics research and manufacturing. Compatibility & Integration Four USB ports support external peripherals and data transfer.

Features & description

From manufacturer datasheet

Features

- Wavelength range 350 to 1750 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: AQ6374 Span Range: 0.5 nm to 1400 nm full span Level Accuracy: +/-1.0 dB at 1550 nm, -20 dBm Level Linearity: +/-0.2 dB (-40 to 0 dBm) Color Analysis: built in for visible band Dimensions: approx. 426 W x 177 H x 459 D mm Mass: approx. 14 kg Notes Specs from Yokogawa AQ6374 datasheet and OSA selection guide. Wide visible plus telecom coverage. Confirm installed suffix (-10 Standard, -20 High Performance where applicable).

AQ6374 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ6374
Manufacturer	Yokogawa
Instrument Type	Optical Spectrum Analyzer
Wavelength Range	350 to 1750 nm
Wavelength Accuracy	+/-0.05 nm (633/1523 nm); +/-0.2 nm (350 to 1750 nm)
Resolution Settings	0.05 to 10 nm
Level Range	+20 to -80 dBm
Level Sensitivity	-80 dBm (900 to 1600 nm); -70 dBm (400 to 900 nm)
Close in Dynamic Range	60 dB (peak +/-1.0 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	0.5 s per 100 nm span (NORM_AUTO)
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	AQ6374
Span Range	0.5 nm to 1400 nm full span
Level Accuracy	+/-1.0 dB at 1550 nm, -20 dBm
Level Linearity	+/-0.2 dB (-40 to 0 dBm)
Color Analysis	built in for visible band
Dimensions	approx. 426 W x 177 H x 459 D mm

PARAMETER	VALUE
Mass	approx. 14 kg Notes Specs from Yokogawa AQ6374 datasheet and OSA selection guide. Wide visible plus telecom coverage. 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

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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
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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.