

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ANDO

Ando AQ4303B 400-1800nm White Light Source

Ando AQ4303B White Light Source 400 to 1800 nm The Ando (Yokogawa) AQ4303B is a wide-band halogen white light source for loss-wavelength characteristics measurement of optical fibers and devices. It provides highly stable CW light and 270 Hz chopped square-wave light via an internal chopper, with a switch-insertable optical filter to remove higher-order components and standard GPIB control. The Ando (Yokogawa) AQ4303B is a wide-band halogen white light source for loss-wavelength characteristics measurement of optical fibers and devices. It provides highly stable CW light and 270 Hz chopped square-wave light via an internal chopper, with a switch-insertable optical filter to remove higher-order components and standard GPIB control.



MODEL

Ando AQ4303B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ4303B

LISTING

<https://aumictechlabs.com/products/aq4303b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ4303B is a broadband halogen lamp source spanning 400–1800 nm, engineered for precise optical loss and spectral characterization of fibers and components. It delivers ± 0.05 dB output stability over one hour and operates in continuous wave or 270 Hz square wave modulated modes. A selectable built-in optical filter removes higher-order components to maintain signal purity. GPIB control enables automated integration into test systems. Technical Specifications Wavelength Range: 400–1800 nm Light Source: Halogen lamp Output Stability: ± 0.05 dB (20 °C, 1

hour) Output Waveforms: Continuous wave or 270 Hz chopped (square wave) Output Level: -45 dB or greater (50/125 μ m GI fiber, 850 nm and 1300 nm, 10 nm bandwidth, CW) Modulation Frequency: 270 Hz Optical Filter: Built-in, selectable by switch Optical Connector: FC type Input Voltage: AC 100 V, 50/60 Hz Power Consumption: Approximately 130 VA Key Features High-power halogen lamp for stable broadband output across the visible and near-infrared spectrum Selectable 270 Hz chopper for low-level signal detection and noise rejection Built-in optical filter for suppression of higher-order components Standard GPIB interface for remote operation and system automation Dual output capability supports both steady-state and modulated measurements Typical Applications Loss-wavelength characterization of optical fibers and devices Optical spectrum testing and component evaluation Filter and coupler performance assessment Fiber optic system calibration and alignment Research and laboratory spectroscopy Compatibility & Integration Frequently paired with Ando/Yokogawa optical spectrum analyzers, including the AQ-6315A/B, for complete optical characterization systems. GPIB connectivity enables integration with automated test and measurement platforms.

Features & description

From manufacturer datasheet

Features

- Wavelength coverage 400 to 1800 nm • High power halogen lamp with power stabilization • CW or 270 Hz chopped square wave output • Switch-insertable optical filter for higher order components • GPIB interface supplied as standard • Output level -45 dBm or more into 50/125 μ m GI fiber

Applications

- Loss versus wavelength measurement of optical fibers • Passive device and filter spectral evaluation
- Chopped-light detection with lock-in style optical receivers • Automated optical component benches over GPIB

AQ4303B Characteristics / Specifications

PARAMETER	VALUE
Model	AQ4303B
Manufacturer	Ando / Yokogawa
Instrument Type	White Light Source
Alias	AQ4303B; AQ-4303B; Ando AQ4303B; Yokogawa AQ4303B
Wavelength range	400 to 1800 nm
Output stability	plus or minus 0.05 dB at 20 C for 1 hour
Output waveform CW	continuous wave
Output waveform chopped	270 Hz square wave
Output level	-45 dBm or more
Output level fiber condition	50/125 um GI fiber
Output level wavelengths	850 nm and 1300 nm
Output level bandwidth condition	10 nm CW
Lamp type	high power halogen
Optical filter	switch insertable to remove higher order components
Remote interface	GPIB supplied as standard
AC power	AC 100 V 50/60 Hz
Power consumption	approximately 130 VA
Primary use	loss wavelength characteristics of fibers and devices
Chopper	internal
Stabilization	power stabilized halogen source
Optical interface common	FC
Related successor	AQ4303C
Form	benchtop optical source
Typical ship weight reseller	about 15 lb
Stability temperature	20 C

PARAMETER	VALUE
Stability duration	1 hour
Publication	Ando AQ4303B white light source specification sheet Notes Specs from Ando/Yokogawa AQ4303B OEM specification listings (Artisan, AssetRelay). Confirm lamp remaining life, optical adapter, and mains voltage configuration on the unit.
Bandwidth	condition: 10 nm CW

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.

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Applications

- Loss versus wavelength measurement of optical fibers
- Passive device and filter spectral evaluation
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Key Features

- Wavelength coverage 400 to 1800 nm
- High power halogen lamp with power stabilization
- CW or 270 Hz chopped square wave output
- Switch-insertable optical filter for higher order components
- GPIB interface supplied as standard
- Output level -45 dBm or more into 50/125 um GI fiber

Technical Specifications

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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

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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.