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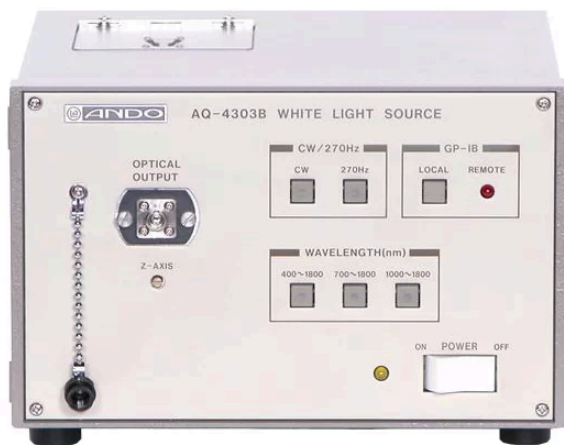
Data Sheet

August 13, 2026

ANDO

Ando AQ4303C 400-1800nm White light Source

Ando AQ4303C White Light Source 400 to 1800 nm The Ando AQ4303C is a halogen-based white light source covering approximately 400 to 1800 nm for loss-wavelength characterization of optical fibers and passive devices. Like the AQ4303B family, it provides stable broadband CW output and chopped light for OSA and component test benches. The Ando AQ4303C is a halogen-based white light source covering approximately 400 to 1800 nm for loss-wavelength characterization of optical fibers and passive devices. Like the AQ4303B family, it provides stable broadband CW output and chopped light for OSA and component test benches.



MODEL

Ando AQ4303C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ4303C

LISTING

<https://aumictechlabs.com/products/aq4303c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ4303C is a broadband white light source for optical component and system testing across the 400 nm to 1800 nm wavelength range. Built around a high-power halogen lamp, it delivers stable, continuous output suitable for fiber characterization, spectroscopic measurement, and laboratory R&D. The instrument supports both CW and 270 Hz chopped square-wave modes, with output stability of ± 0.05 dB over one hour at 20 °C. A selectable built-in optical filter removes higher-order components, enabling clean spectral analysis across the visible through shortwave infrared bands. Technical Specifications Wavelength Range: 400 nm to 1800 nm Output Stability:

±0.05 dB (1 hour at 20 °C) Output Modes: Continuous Wave (CW); 270 Hz Chopped Light (Square Wave) Light Source Type: High-power halogen lamp Optical Filter: Built-in higher-order component removal, switch-selectable Dimensions: 18 × 12 × 12 inches (approximate) Weight: 16.3 lbs (approximate) Key Features Stable broadband emission across visible and IR wavelengths Dual output modes for diverse measurement scenarios Switchable optical filtering for spectral purity GPIB remote control interface for automated test integration Typical Applications Loss-wavelength characteristics measurement of optical fibers and devices Optical spectrum analysis Fiber optic component testing and characterization Spectroscopy and R&D in optical laboratories Compatibility & Integration GPIB (General Purpose Interface Bus) for remote instrument control and system integration

Features & description

From manufacturer datasheet

Features

- Broad spectral coverage 400 to 1800 nm class
- High power halogen white light architecture
- CW and chopped light operating modes
- Optical filter insertable to remove higher order components
- GPIB remote control on AQ4303 family instruments
- Stable output for loss-wavelength characterization

Applications

- Loss versus wavelength measurements of fibers and devices
- Broadband stimulus for optical spectrum analyzers
- Passive optical component and filter evaluation
- Laboratory white light reference for multimode fiber systems

AQ4303C Characteristics / Specifications

PARAMETER	VALUE
Primary application	loss wavelength characteristics of fibers and devices
Related predecessor	AQ4303B
Fiber type for level spec family	50/125 um graded index multimode
Level wavelengths for spec family	850 nm and 1300 nm
Level bandwidth for spec family	10 nm
Chopper	internal mechanical chopper
Form	benchtop optical source
Power family AQ4303B reference	AC 100 V 50/60 Hz approx 130 VA
Typical shipping weight reseller class	about 10 to 18 kg depending on packing
Typical packed dimensions reseller class	about 22 × 16 × 14 in
Optical connector common	FC style adapter
Stability temperature condition	20 C
Stability duration	1 hour
Publication class	Ando AQ4303B/C white light source family sheets
Intended detectors	OSA and optical power meters for loss vs wavelength Notes Wavelength coverage from Ando/Yokogawa AQ4303C reseller OEM listings (400–1800 nm). Numeric stability, level, chop rate, GPIB, and filter behavior from closely related AQ4303B OEM specification sheets; confirm C-revision differences and mains voltage on the faceplate.
Bandwidth	for spec family: 10 nm
Fiber type	for level spec family: 50/125 um graded index multimode

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	
Specifications	
PARAMETER	VALUE
Model	AQ4303C
Manufacturer	Ando / Yokogawa
Instrument Type	White Light Source
Alias	AQ4303C; Ando AQ4303C; Yokogawa AQ4303C
Wavelength range	400 to 1800 nm
Lamp type	high power halogen
Output waveform CW	continuous wave
Output waveform chopped	270 Hz square wave class family
Output stability family at 20 C for 1 hour: plus or minus 0.05 dB	
Output level family 50/125 um GI at 850 and 1300 nm 10 nm BW CW: -45 dBm or more	
Specifications	
PARAMETER	VALUE
Optical filter	switch insertable higher order component removal
Remote interface family	GPIO standard
Primary application	loss wavelength characteristics of fibers and devices
Related predecessor	AQ4303B
Fiber type for level spec family	50/125 um graded index multimode
Level wavelengths for spec family	850 nm and 1300 nm
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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.