

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ-6003 Stabilized Light Source

The Ando AQ-6003 is a compact and lightweight Optical Time Domain Reflectometer (OTDR) designed for efficient fiber optic cable testing and maintenance. It features a user-friendly interface and provides accurate measurements of fiber length, attenuation, and splice loss. Ideal for field technicians and network installers, the AQ-6003 ensures reliable network performance with its comprehensive diagnostic capabilities.



MODEL

Ando AQ-6003

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ-6003

LISTING

<https://aumictechlabs.com/products/aq-6003-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ-6003 is a stabilized light source engineered for optical testing and measurement applications requiring precise, repeatable light output. It delivers spectrally consistent, stable illumination suitable for characterizing optical components and systems in both laboratory and field environments. The instrument combines continuous wave and modulated output capabilities with high spectral stability, ensuring accurate measurements across demanding test scenarios. Technical Specifications Output Modes: Continuous Wave (CW) and modulated output Modulation Options: Chopped light at 270 Hz available on related configurations Spectral Stability: Designed for high spectral stability to support precise optical measurements Output Power Stability: Engineered for stable, repeatable light output Power Supply: AC 100 V to 240 V, selectable via internal settings Interface: GPIB (General Purpose Interface Bus) for remote control

and automation

Key Features

- Compact, lightweight form factor for portable deployment and flexible test setup integration
- Spectrally consistent output critical for accurate component and system characterization
- Stable light output ensures measurement repeatability across multiple test cycles
- GPIB connectivity enables automated testing and data acquisition workflows

Typical Applications

- Optical fiber and device loss wavelength characterization
- Optical component performance validation
- System-level optical testing in development and field environments

Automated measurement routines with controller integration

Compatibility & Integration

Designed for use with optical spectrum analyzers such as the Ando AQ-6310B and AQ-6315A/B series.

Direct GPIB control allows integration with test automation systems and data acquisition platforms.

Features & description

From manufacturer datasheet

Polarization Dependence Class: Specified PDL class

Lifetime Class: Mechanical switch life class Display: Port status display class Max Input Power Class: Specified damage level class Notes From Ando AQ-6003 OEM/family optical switch documentation. Confirm exact port count, insertion loss, and switching time on the unit datasheet.

AQ6003 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical switch
Port Configuration Class	Multi port 1xN or MxN class per AQ-6003 datasheet
Wavelength Range Class	1200 nm to 1650 nm class typical
Insertion Loss Class	Low insertion loss class
Return Loss Class	High return loss class
Crosstalk Isolation Class	High isolation class
Switching Time Class	Millisecond class switching
Remote Interface	GPIB
Form Factor	Benchtop optical switch
Connector Class	FC SC interchangeable adapters class
Fiber Type	Single mode
Series Family	Ando AQ-6003
Applications Class	Automated optical path routing
Calibration	Optical path calibration class
Operating Temperature Class	Standard lab
Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Repeatability Class	High path repeatability class
Polarization Dependence Class	Specified PDL class
Lifetime Class	Mechanical switch life class
Display	Port status display class
Max Input Power Class	Specified damage level class
Wavelength range	Class: 1200 nm to 1650 nm class typical
Operating temperature	Class: Standard lab
Return loss	Class: High return loss class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
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Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Repeatability Class	High path repeatability class
Polarization Dependence Class	Specified PDL class
Lifetime Class	Mechanical switch life class
Display	Port status display class
Max Input Power Class	Specified damage level class Notes From Ando AQ-6003 OEM/family optical switch documentation. Confirm exact port count, insertion loss, and switching time on the unit datasheet.

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

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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.