

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ-4151 LED Unit

The Ando AQ-4151 LED Unit is a specialized optical measurement instrument engineered for precise characterization and analysis of Light Emitting Diode spectral properties. It performs detailed spectral distribution analysis of optical signals, delivering the wavelength and intensity data required for LED performance verification. The unit addresses measurement demands in research and development, manufacturing quality control, and laboratory optical component analysis where engineers and scientists require accurate spectral insight into LED-based systems and optical emitters. Compatibility & Integration The AQ-4151 works with integration into optical test configurations. It functions as a measurement module within broader Ando optical test systems. Aumictech offers NIST-traceable calibration and repair for the Ando AQ-4151. Calibration covers wavelength accuracy at 850, 1310, 1550, and



MODEL

Ando AQ-4151

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ-4151

LISTING

<https://aumictechlabs.com/products/aq-4151-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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analysis where engineers and scientists require accurate spectral insight into LED-based systems and optical emitters.

Technical Specifications The AQ-4151 measures spectral distribution across optical signals with high accuracy. It accepts optical input and provides measurement-grade analysis suitable for systems-level optical characterization work.

Key Features Spectral distribution measurement and analysis Designed for optical signal characterization Laboratory-grade measurement accuracy Integration into optical test setups

Typical Applications LED spectral characterization in R&D environments Manufacturing quality control of optical components Optical emitter performance verification Wavelength and spectral property analysis

Compatibility & Integration The AQ-4151 works with integration into optical test configurations. It functions as a measurement module within broader Ando optical test systems.

Features & description

From manufacturer datasheet

Polarization Dependent Loss Class: Low PDL class

Setting Resolution Class: 0.01 dB or 0.001 dB class Repeatability Class: High attenuation repeatability class Remote Interface: GPIB Form Factor: Benchtop optical attenuator Connector Class: FC SC interchangeable adapters class Fiber Type: Single mode Series Family: Ando AQ-4151

AQ4151 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Programmable optical attenuator
Attenuation Range Class	0 dB to tens of dB class
Wavelength Range Class	1200 nm to 1650 nm class typical
Insertion Loss Class	Low insertion loss class
Return Loss Class	High return loss class
Polarization Dependent Loss Class	Low PDL class
Setting Resolution Class	0.01 dB or 0.001 dB class
Repeatability Class	High attenuation repeatability class
Remote Interface	GPIB
Form Factor	Benchtop optical attenuator
Connector Class	FC SC interchangeable adapters class
Fiber Type	Single mode
Series Family	Ando AQ-4151
Applications Class	Automated optical attenuation
Calibration	Optical attenuation calibration class
Operating Temperature Class	Standard lab
Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Display	Attenuation and wavelength display class
Settling Time Class	Fast attenuation settling class
Max Input Power Class	Specified damage level class
Wavelength Calibration Class	Wavelength dependent calibration class
Wavelength range	Class: 1200 nm to 1650 nm class typical
Attenuation	Range Class: 0 dB to tens of dB class
Operating temperature	Class: Standard lab

PARAMETER	VALUE
Return loss	Class: High return loss class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Operating Temperature	Class: Standard lab
Operating Temperature Class	Standard lab
Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Display	Attenuation and wavelength display class
Settling Time Class	Fast attenuation settling class
Max Input Power Class	Specified damage level class
Wavelength Calibration Class	Wavelength dependent calibration class Notes From Ando AQ-4151 OEM/family optical attenuator documentation. Confirm exact attenuation range, resolution, and wavelength limits 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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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.