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Data Sheet

August 14, 2026

ANDO

Ando AQ2150 Optical Multimeter

Ando AQ2150 Optical Multimeter / Mainframe The Ando AQ2150 is an optical multimeter/mainframe in the Ando AQ21xx family for optical power and loss measurements. OEM documentation lists modular or integrated optical measurement architectures with calibrated power readings and GPIB control. Optical power and loss measurement and production optical characterization. Instrument Type: Optical multimeter / mainframe The Ando AQ2150 is an optical multimeter/mainframe in the Ando AQ21xx family for optical power and loss measurements. OEM documentation lists modular or integrated optical measurement architectures with calibrated power readings and GPIB control. Optical power and loss measurement and production optical characterization. Instrument Type: Optical multimeter / mainframe Wavelength Support Class: Telecom wavelength sensor coverage class



MODEL

Ando AQ2150

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2150

LISTING

<https://aumictechlabs.com/products/aq2150-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ2150 Optical Multimeter is a modular, handheld instrument for optical power and wavelength measurements in field and laboratory environments. Its interchangeable sensor, light source, and return loss units enable operation as an optical power meter, stabilized light source, loss test set, or return loss measurement system. Weighing approximately 450 g, the instrument operates on AA batteries, AC adapter, or optional Ni-Cd battery pack, eliminating external power dependencies for portable field work. Technical Specifications Optical Measurement Capability

Wavelength range: 750 to 1800 nm (sensor dependent) Power range (CW light): -70 to +10 dBm
Measurement accuracy: $\pm 5\%$ at -20 dBm Display resolution: Selectable 0.1 dB / 0.01 dB Display & Interface 7-segment, 4-digit display with backlight on/off control Unit display modes: Absolute (dBm, mW, nW, pW) and Relative (dB) Auto power-off and selectable power-save modes
Automatic zero adjustment with sensor blocking

Key Features Modular architecture supports up to 8 LD/LED light source units Interchangeable sensor units accommodate multiple photodetector types Up to 2 return loss unit configurations Automatic and fixed measurement range toggle
Lightweight design (450 g) for handheld field deployment Battery independence: AA, AC adapter, or Ni-Cd pack options

Typical Applications Optical fiber loss measurement and characterization
Optical component testing and validation Free-space beam power measurement Near-end fault localization on deployed fiber Return loss analysis for optical connectors and components High-output measurement across telecommunications and research networks

Compatibility & Integration Sensor Units: AQ2750, AQ2751, AQ2752, AQ2752B, AQ2753, AQ2755 (Ge 1 mm photodetector, 1310 nm reference wavelength) Light Source Units: LD units AQ4211, AQ4212, AQ4213, AQ4214; LED units AQ4215; EE-LED units AQ4221 Return Loss Units: AQ9438 (FC connector, SM 10/125 μm fiber, ≥ 40 dB return loss, 0.2 dB insertion loss)

AQ2150 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical multimeter / mainframe
Platform Name	AQ2150
Wavelength Support Class	Telecom wavelength sensor coverage class
Power Measurement Class	Calibrated optical power class
Remote Interface	GPIB
Form Factor	Benchtop optical multimeter
Display	Measurement display class
Series Family	Ando AQ2150 optical multimeters
Applications Class	Optical power and loss measurement
Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Optical Connectors Class	Sensor adapter interface class
Calibration	Optical power calibration class
Operating Temperature Class	Standard lab
Weight Class	Benchtop instrument weight
Automation	Remote command control class
Storage	Setup memory class
Resolution Class	Fine optical power resolution class
Dynamic Range Class	Wide optical power dynamic range class
Averaging	Multiple averaging modes class
Display Units	dBmWclass
Linearity Class	Specified power linearity class
Power linearity	class
Operating temperature	Class: Standard lab

AQ2150 Specifications

PARAMETER	VALUE
Ando AQ2150 Optical Multimeter / Mainframe	Overview
Technical Specifications	Instrument Type: Optical multimeter / mainframe
Notes	From Ando AQ2150 OEM/family optical multimeter documentation. Confirm exact wavelength and power range on the unit datasheet.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Operating Temperature	Class: Standard lab
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Weight Class	Benchtop instrument weight
Automation	Remote command control class
Storage	Setup memory class
Resolution Class	Fine optical power resolution class
Dynamic Range Class	Wide optical power dynamic range class
Averaging	Multiple averaging modes class
Display Units	dBmWclass
Linearity Class	Specified power linearity class Notes From Ando AQ2150 OEM/family optical multimeter documentation. Confirm exact wavelength and power range 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.