

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANDO

Ando AQ2160-02 Optical Power Meter

The Ando AQ2160-02 is a handheld/benchtop optical power meter from the Ando AQ2160 family used for fiber optic power measurements across common telecom wavelengths. Optical link power verification, component loss setups, and field/lab fiber measurements. Multiple detector/wavelength capability class Display Units Class: dBm and W Application Band: telecom fiber wavelengths class Max Input: limited by sensor damage level Successor Context: Yokogawa/Ando optical test lineage Configuration Note: pull full accuracy vs wavelength tables from OEM manual before denser upload Identity rows from Ando AQ2160-02 product listings. Expand full power accuracy/wavelength tables from the OEM manual/datasheet before upload; do not invent sensor accuracy numbers.



MODEL

Ando AQ2160-02

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2160-02

LISTING

<https://aumictechlabs.com/products/aq2160-02-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ2160-02 is a handheld optical power meter engineered for laboratory and field measurements across fiber optic systems. It delivers precise power readings from -70 to +10 dBm across the 750–1700 nm wavelength range, with ±5% accuracy and 0.01 dB display resolution. The instrument supports single-mode and multimode fiber types, features automatic range switching, and accommodates both continuous-wave and chopped light measurements at 270 Hz, 1 kHz, and 2 kHz. A 4-digit backlit display presents absolute values in dBm, mW, μW, nW or

relative measurements in dB. The meter stores up to 1000 standard or 100 user-defined measurement records and operates for approximately 40 hours on two AA alkaline batteries. Measuring 75 × 152 × 32 mm and weighing 250 grams, it conforms to JIS C 0920 TYPE I weatherproofing and includes USB connectivity for data transfer via supplied application software.

Technical Specifications

Wavelength range: 750–1700 nm (configurable in 5 nm steps)
Power measurement range: –70 to +10 dBm Noise floor: –60 dBm Measurement accuracy: ±5%
Display resolution: 0.01 dB Measurement interval: ~330 ms Light-receiving element: InGaAs photodetector (1 mm diameter) Operating temperature: 0°C to +50°C Storage temperature: –25°C to +70°C Relative humidity: ≤80% (non-condensing) Dimensions: 75 (W) × 152 (H) × 32 (D) mm Weight: 250 grams

Key Features

Automatic range switching and wavelength sensitivity correction
Dual measurement modes: continuous-wave light and chopped light (270 Hz, 1 kHz, 2 kHz)
Relative value measurement against stored reference or displayed reading 1000-record standard memory plus 100-record user memory Display units: dBm, mW, μW, nW (absolute) and dB (relative) Resume function retains previous instrument settings Automatic power-off after ~10 minutes of inactivity (disableable) Low-battery indicator Battery life: ~40 hours (alkaline, 25°C, CW light) USB interface with included application software Weatherproofing per JIS C 0920 TYPE I

Compatibility & Integration

Compatible fiber types: SM (9/125 μm), GI (50/125 μm), GI (62.5/125 μm) Connector adapters (optional): SU2004A series SC, FC, ST, LC, MU Power options: Two AA batteries (alkaline or Ni-MH rechargeable) or optional AC adapter (SU2007A) Accessories: Protective holster (SU2002A), soft carrying case, neck strap Safety: EN61010 compliant EMC: EN61326 compliant

Features & description

From manufacturer datasheet

Polarization: power measurement of polarized/unpolarized light class

Max Input: limited by sensor damage level Accessories: adapter caps sensors Documentation: Ando AQ2160 series manual Successor Context: Yokogawa/Ando optical test lineage Configuration Note: pull full accuracy vs wavelength tables from OEM manual before denser upload Notes Identity rows from Ando AQ2160-02 product listings. Expand full power accuracy/wavelength tables from the OEM manual/datasheet before upload; do not invent sensor accuracy numbers.

AQ2160 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical power meter
Series Family	Ando AQ2160
Model	AQ2160-02
Manufacturer	Ando
Measurement Quantity	optical power
Display Units Class	dBm andWApplication Band: telecom fiber wavelengths class
Detector	photodiode sensor class
Connector Interface	interchangeable optical adapters class
Form Factor	handheld/bench optical meter
Use Stage	install maintain R&D
Zeroing	dark current zero class
Wavelength Setting	user selectable cal wavelength class
Dynamic Range	wide optical power range class
Resolution	fine dB resolution class
Remote	model dependent
Calibration	OEM wavelength calibration points
Battery Operation	portable class
Family Sensors	pairs with Ando optical sensors
Polarization	power measurement of polarized/unpolarized light class
Max Input	limited by sensor damage level
Accessories	adapter caps sensors
Documentation	Ando AQ2160 series manual
Successor Context	Yokogawa/Ando optical test lineage
Configuration Note	pull full accuracy vs wavelength tables from OEM manual before denser upload

AQ2160 Specifications

PARAMETER	VALUE
Optical power meter for fiber networks	Ando AQ2160 family
Portable optical test	dBm and watt readout class
Technical Specifications	Instrument Type: Optical power meter

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.