

**Aumictech**

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Data Sheet

August 13, 2026

ANDO

ANDO AQ-1111 Optical Power Meter TESTED WORK

Applications - Fiber optic link optical power verification - Field and laboratory optical power measurements - Installation and maintenance of optical communication systems - Portable optical power surveys with battery operation Key Features - Compact lightweight handheld mainframe - Measurement range -70 dBm to plus 10 dBm class - Resolution 0.01 dB - Wavelength coverage 800 to 1700 nm class - FC/PC optical connector interface - AC adapter or 9 V battery power Technical Specifications Model: AQ-1111 Manufacturer: Ando Instrument Type: Optical Power Meter Mainframe Alias: AQ-1111; AQ1111; Ando AQ-1111 Display: 128 × 64 dot matrix LCD with backlight Measurement range: -70 dBm to plus 10 dBm Measurement accuracy: plus or minus 0.2 dB Resolution: 0.



MODEL

Ando AQ-1111

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ-1111

LISTING

<https://aumictechlabs.com/products/aq-1111-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ANDO AQ-1111 is a mainframe optical power meter engineered for precise measurement of optical power in fiber optic systems. It delivers measurement readings from -70 dBm to +10 dBm with 0.01 dB precision, making it suitable for field technicians, service personnel, and laboratory environments. The unit operates on AC 120V power and accepts plug-in optical heads and sensors, enabling configuration for specific measurement requirements. Fully tested and

operational upon delivery, the AQ-1111 functions as a dependable instrument for network installation, field service, maintenance operations, and optical system verification. Optional NIST traceable calibration is available.

Technical Specifications
Model: ANDO AQ-1111
Type: Optical Power Meter
Measurement Range: -70 dBm to +10 dBm
Measurement Precision: 0.01 dB
Power Source: AC 120V
Form Factor: Mainframe
Calibration: NIST traceable calibration available

Key Features
Wide dynamic range captures low-level and moderate power signals across diverse optical systems
High-resolution 0.01 dB precision enables detection of small power variations during installation and troubleshooting
Modular optical head design permits sensor selection matched to specific wavelength bands and measurement scenarios
Field-ready functionality with tested operation confirmed prior to shipment

Typical Applications
Fiber optic network testing and installation verification
Field service and maintenance of optical infrastructure
Laboratory optical power measurements and system research
Transmission system optical power level validation

Compatibility & Integration
The AQ-1111 mainframe integrates with interchangeable plug-in optical sensor heads. Common fiber connector adapters - including FC, SC, and ST types - are supported through the sensor module architecture.

Features & description

From manufacturer datasheet

Features

- Compact lightweight handheld mainframe
- Measurement range -70 dBm to plus 10 dBm class
- Resolution 0.01 dB
- Wavelength coverage 800 to 1700 nm class
- FC/PC optical connector interface
- AC adapter or 9 V battery power

Applications

- Fiber optic link optical power verification
- Field and laboratory optical power measurements
- Installation and maintenance of optical communication systems
- Portable optical power surveys with battery operation

AQ1111 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ-1111
Manufacturer	Ando
Instrument Type	Optical Power Meter Mainframe
Alias	AQ-1111; AQ1111; Ando AQ-1111
Display	128 × 64 dot matrix LCD with backlight
Measurement range	-70 dBm to plus 10 dBm
Measurement accuracy	plus or minus 0.2 dB
Resolution	0.01 dB
Wavelength range	800 to 1700 nm
Connector type	FC/PC
Power supply AC	AC adapter
Power supply battery	9 V battery
Operating temperature	0 to 50 C
Dimensions	200 mm x 90 mm x 40 mm
Weight	320 g
Form	handheld portable mainframe
Primary measurand	optical power
Display type	graphic LCD
Backlight	yes
Intended use	fiber optic network power levels
Field suitability	compact lightweight design
Related category	Ando optical power meters
Absolute accuracy class	plus or minus 0.2 dB
Lower power limit	-70 dBm
Upper power limit	plus 10 dBm

PARAMETER	VALUE
Wavelength lower bound	800 nm
Wavelength upper bound	1700 nm
Publication class	Ando AQ-1111 optical power meter listings Notes Specs from Ando AQ-1111 optical power meter mainframe calibration and product listings. Confirm sensor head pairing, calibration wavelength set, and battery vs adapter configuration on the unit.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C
Operating Temperature	0 to 50 C
Dimensions	200 mm x 90 mm x 40 mm
Weight	320 g
Form	handheld portable mainframe
Primary measurand	optical power
Display type	graphic LCD
Backlight	yes
Intended use	fiber optic network power levels
Field suitability	compact lightweight design
Related category	Ando optical power meters
Absolute accuracy class	plus or minus 0.2 dB
Lower power limit	-70 dBm
Upper power limit	plus 10 dBm
Wavelength lower bound	800 nm
Wavelength upper bound	1700 nm
Publication class	Ando AQ-1111 optical power meter listings Notes Specs from Ando AQ-1111 optical power meter mainframe calibration and product listings. Confirm sensor head pairing, calibration wavelength set, and battery vs adapter configuration on the unit.

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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Instrument Type	Optical Power Meter Mainframe
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Intended use	fiber optic network power levels
Field suitability	compact lightweight design
Related category	Ando optical power meters
Absolute accuracy class	plus or minus 0.2 dB
Lower power limit	-70 dBm
Upper power limit	plus 10 dBm
Wavelength lower bound	800 nm

PARAMETER	VALUE
Wavelength upper bound	1700 nm
Publication class	Ando AQ-1111 optical power meter listings

Notes
Specs from Ando AQ-1111 optical power meter mainframe calibration and product listings. Confirm sensor head pairing, calibration wavelength set, and battery vs adapter configuration on the unit.

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.