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Data Sheet

August 12, 2026

ANDO

Ando AQ1135E Optical Power Meter

The Ando AQ1135E (also styled AQ-1135E) is a compact multifunction benchtop optical power meter for measuring optical power from fiber-optic communications fibers (including general-purpose and plastic fibers) and for high-precision measurement of free-space / space-propagating light such as laser beams. Often used with Ando optical sensors (e.g. AQ1965 class). Fiber connector insertion-loss measurement; optical power monitoring in communications links; low-level optical power characterization; free-space laser beam power measurement; lab and production optical test. Power measurement span (published): 1 pW to 100 mW Level range (published): -90 to +20 dBm (depends on sensor) Glass-fiber sensitivity example: 0 dBm down to -90 dBm Numeric ranges from Ando AQ1135E reseller/OEM summary listings. Exact calibrated wavelength set, sensor model, connector interface, and absolute accuracy belong on the installed sensor label and calibration certificate—do not invent accuracy ppm/% figures beyond published range/resolution. Confirm sensor (e.g. AQ1965) and cal status on the unit.



MODEL

Ando AQ1135E

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1135E

LISTING

<https://aumictechlabs.com/products/aq1135e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ1135E is a handheld optical power meter engineered for precision measurement across visible through infrared wavelengths. It delivers absolute power measurement from 1 pW to

100 mW with 1/1000 dB resolution, covering both guided light in fiber and free-space propagating beams such as laser output. The instrument accommodates multiple fiber types and connector standards, making it suitable for optical communications system characterization and laser power verification.

Technical Specifications

Measurement range: 1 pW to 100 mW (-90 dBm to +20 dBm)

Sensitivity (glass fibers): 0 dBm to -90 dBm

Resolution: 1/1000 dB

Wavelength range: 0.4 to 1.7 μm

Measurement capability: General-purpose fibers (including plastic), space-propagating light, laser beams

Form factor: Handheld

Origin: Japan

Key Features

Covers UV through near-infrared spectrum (0.4–1.7 μm)

High sensitivity down to -90 dBm for glass fiber applications

Fine-resolution power readings: 1/1000 dB discrimination

Multi-fiber support including plastic optical fiber

Portable design for field and bench measurements

Typical Applications

Optical fiber communication system installation and maintenance

Laser source power measurement and characterization

Transmission loss analysis in fiber links

Power budget verification in optical networks

Compatibility & Integration

Fiber connector support: FC, LC, SC

Compatible with general-purpose fibers (plastic and glass)

Accepts both guided and free-space optical signals

Features & description

From manufacturer datasheet

Features

- Wavelength range: 0.4 to 1.7 μm (400–1700 nm) • Measurement range class: 1 pW to 100 mW; –90 to +20 dBm (sensor-dependent; glass-fiber sensitivity often cited –90 to 0 dBm) • Resolution: 0.001 dB (1/1000 dB) class for fine insertion-loss / power variation measurements • Supports measurement of light from general-purpose fibers including plastic fibers • Compact, lightweight multifunction optical power meter form factor • Typical companion sensor example: AQ1965 (configuration-dependent)

AQ1135E Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1135E
Manufacturer	Ando (Ando Electric; later Yokogawa/Ando heritage)
Instrument Type	Optical Power Meter
Alias	AQ1135E; AQ-1135E; Ando AQ1135E Optical
Wavelength range	0.4 to 1.7 μm (400–1700 nm)
Power measurement span (published)	1 pW to 100 mW
Level range (published)	–90 to +20 dBm (depends on sensor)
Resolution	0.001 dB Notes Numeric ranges from Ando AQ1135E reseller/OEM summary listings. Exact calibrated wavelength set, sensor model, connector interface, and absolute accuracy belong on the installed sensor label and calibration certificate—do not invent accuracy ppm/% figures beyond published range/resolution. Confirm sensor (e.g. AQ1965) and cal status on the unit.
Measurement range class	1 pW to 100 mW; –90 to +20 dBm (sensor-dependent; glass-fiber sensitivity often cited –90 to 0 dBm)
Typical companion sensor example	AQ1965 (configuration-dependent)

AQ1135E Specifications

PARAMETER	VALUE
Ando AQ1135E Optical Power Meter	Overview
Key Features	- Wavelength range: 0.4 to 1.7 μm (400–1700 nm)
Technical Specifications	Model: AQ1135E
Optical	Wavelength range: 0.4 to 1.7 μm

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

Specifications

PARAMETER	VALUE
Model	AQ1135E
Manufacturer	Ando (Ando Electric; later Yokogawa/Ando heritage)
Instrument Type	Optical Power Meter
Alias	AQ1135E; AQ-1135E; Ando AQ1135E

Optical

Specifications

PARAMETER	VALUE
Wavelength range	0.4 to 1.7 μm
Power measurement span (published)	1 pW to 100 mW
Level range (published)	-90 to +20 dBm (depends on sensor)

Glass-fiber sensitivity example: 0 dBm down to -90 dBm
Resolution: 0.001 dB

Notes
Numeric ranges from Ando AQ1135E reseller/OEM summary listings. Exact calibrated wavelength set, sensor model, connector interface, and absolute accuracy belong on the installed sensor label and calibration certificate—do not invent accuracy ppm/% figures beyond published range/resolution. Confirm sensor (e.g. AQ1965) and cal status 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

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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.