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Data Sheet

August 13, 2026

ANDO

Ando AQ2752 Sensor Unit

Ando AQ2752 Optical Power Sensor Head 750 to 1800 nm The Ando AQ2752 is an optical power sensor head for use with AQ2150-series optical multimeters. The InGaAs photodiode head covers 750 to 1800 nm with high sensitivity for CW and chopped-light measurements on small-diameter silica fiber and connectorized links. The Ando AQ2752 is an optical power sensor head for use with AQ2150-series optical multimeters. The InGaAs photodiode head covers 750 to 1800 nm with high sensitivity for CW and chopped-light measurements on small-diameter silica fiber and connectorized links.



MODEL

Ando AQ2752

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ2752

LISTING

<https://aumictechlabs.com/products/aq2752-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ2752 Sensor Unit is a handheld optical power meter designed for precise measurement of optical signals across telecommunications wavelengths. Built around a 1 mm InGaAs photodetector, it delivers $\pm 5\%$ accuracy across a wide dynamic range and supports both continuous wave and chopped light measurement modes. The unit operates independently or integrates with Ando optical multimeters and test systems, functioning as a standalone power meter or as part of multi-function loss and return loss measurement configurations. Technical Specifications Wavelength Range: 750 nm to 1700 nm Photodetector: InGaAs, 1 mm diameter Power Range (CW Light): -80 dBm to $+10$ dBm Power Range (Chopped Light): -80 dBm to $+7$ dBm Measurement Accuracy: $\pm 5\%$ Measurement Modes: Continuous Wave (CW), chopped light

at 270 Hz, 1 kHz, and 2 kHz Calibration Factor: 5 nm step correction for wavelength sensitivity
Range Selection: Automatic or fixed (up/down) Weight: Approximately 450 gKey Features Field-portable handheld design for laboratory and on-site use Flexible power options: AC adapter, AA cells, or optional Ni-Cd battery pack Selectable measurement modes accommodate both steady-state and modulated optical signals Optical connectors sold separately; compatible with FC and SC types with optional adapters AQ9438 FC High Return Loss Connector Adapter available for single-mode fiber (10/125 μm) with ≥ 40 dB return loss and ≤ 0.2 dB insertion lossTypical Applications Optical fiber loss measurement Free-space beam power measurement Optical component and connector characterization Network diagnostics and fault localization Return loss measurement for optical connectors and components Research and development in optical communicationsCompatibility & Integration The AQ2752 interfaces directly with the Ando AQ2150 and AQ2150A Optical Multimeters. It is hot-swappable with light source and return loss units, enabling flexible configuration as an optical power meter, loss test set, or return loss measurement system. Compatible with AQ2140 frames when specific AQ2141 expansion modules are disconnected.

Features & description

From manufacturer datasheet

Features

- Wavelength range 750 to 1800 nm • InGaAs 1 mm diameter photodetector • CW power range -80 to +10 dBm • Chopped power range -80 to +7 dBm • Reference wavelength 1310 nm calibration • Compatible with AQ9431 connector adapters

Applications

- Optical power measurement 750 to 1800 nm on AQ2150 mainframes • DWDM and long-wavelength fiber link commissioning • Low-level power checks on singlemode and multimode fiber • Chopped-light and CW absolute power readout

AQ2752 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ2752
Manufacturer	Ando / Anritsu
Instrument Type	Optical Power Sensor Head
Alias	AQ2752; ANDO AQ2752; AQ2752(SC)
Wavelength range	750 to 1800 nm
Reference wavelength	1310 nm
Photodetector type	InGaAs 1 mm diameter
Power range CW light	-80 to +10 dBm (10 pW to 10 mW)
Power range chopped light	-80 to +7 dBm (10 pW to 5 mW)
Accuracy at reference	plus or minus 5 percent at -20 dBm 23 C
Noise level CW light typical	-70 dBm
Noise level chopped light typical	-75 dBm
Applicable fiber core	200 um NA 0.275 class small-diameter silica
Modulation compatibility AQ27	CW 270 Hz 1 kHz 2 kHz or 100 MHz or more
Modulation compatibility AQ2752B	CW or 10 kHz or more
Connector adapters	AQ9431 FC SC ST DIN HMS-10/A (option)
Mainframe compatibility	AQ2150 AQ2150A optical multimeter
Display via mainframe	dBm mW nW pW and relative dB
Display resolution mainframe	0.1 or 0.01 dB selectable
Sensor head form	modular plug-in for AQ2150 family
Operating temperature class	0 to +40 C for some noise specs
Catalog wavelength note	some listings show 750 to 1700 nm variant
Product class	optical power sensor unit not standalone meter
Related sensor AQ27	750 to 1800 nm Ge 5 mm class
Related light source pairing	AQ2150 LED source units

PARAMETER	VALUE
Connector types offered	FC SC ST per adapter option Notes Specs from Ando AQ2150 Optical Multimeter datasheet sensor-unit table for AQ2752. Confirm AQ2752 vs AQ2752B modulation compatibility and installed AQ9431 connector adapter on the head.
Operating temperature	class: 0 to +40 C for some noise specs

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	class: 0 to +40 C for some noise specs
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Catalog wavelength note	some listings show 750 to 1700 nm variant
Product class	optical power sensor unit not standalone meter
Related sensor AQ27	750 to 1800 nm Ge 5 mm class
Related light source pairing	AQ2150 LED source units
Connector types offered	FC SC ST per adapter option Notes Specs from Ando AQ2150 Optical Multimeter datasheet sensor-unit table for AQ2752. Confirm AQ2752 vs AQ2752B modulation compatibility and installed AQ9431 connector adapter on the head.

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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PARAMETER	VALUE
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Manufacturer	Ando / Anritsu
Instrument Type	Optical Power Sensor Head
Alias	AQ2752; ANDO AQ2752; AQ2752(SC)
Wavelength range	750 to 1800 nm
Reference wavelength	1310 nm
Photodetector type	InGaAs 1 mm diameter
Power range CW light	-80 to +10 dBm (10 pW to 10 mW)
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Accuracy at reference	plus or minus 5 percent at -20 dBm 23 C
Noise level CW light typical	-70 dBm
Noise level chopped light typical	-75 dBm
Applicable fiber core	200 um NA 0.275 class small-diameter silica
Modulation compatibility AQ2752	CW 270 Hz 1 kHz 2 kHz or 100 MHz or more
Modulation compatibility AQ2752B	CW or 10 kHz or more
Connector adapters	AQ9431 FC SC ST DIN HMS-10/A (option)
Mainframe compatibility	AQ2150 AQ2150A optical multimeter
Display via mainframe	dBm mW nW pW and relative dB
Display resolution mainframe	0.1 or 0.01 dB selectable
Sensor head form	modular plug-in for AQ2150 family
Operating temperature class	0 to +40 C for some noise specs
Catalog wavelength note	some listings show 750 to 1700 nm variant
Product class	optical power sensor unit not standalone meter
Related sensor AQ2751	Ge detector 750 to 1800 nm
Related sensor AQ2753	750 to 1800 nm Ge 5 mm class
Related light source pairing	AQ2150 LED source units

PARAMETER	VALUE
Connector types offered	FC SC ST per adapter option

Notes

Specs from Ando AQ2150 Optical Multimeter datasheet sensor-unit table for AQ2752. Confirm AQ2752 vs AQ2752B modulation compatibility and installed AQ9431 connector adapter on the head.

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.