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Data Sheet

August 15, 2026

ANDO

Ando AQ4215 1310nm LED Optical Source Module

Ando Yokogawa AQ4215 1310 nm LED Optical Source Module The Ando AQ4215 is an LED optical source plug-in for the AQ2140 optical multimeter mainframe. OEM AQ4215 (131) listings give center wavelength 1310 plus or minus 30 nm, spectral halfwidth 140 nm or less, applicable fiber 50/125 μm , 62.5/125 μm , and 9/125 μm , optical output greater than -21 dBm in multimode and greater than -40 dBm in single-mode. AQ4215 is also cataloged as 850 nm (085) and 1550 nm (155) LED versions. The optical interface connector AQ9433 is not included with the module. The Ando AQ4215 is an LED optical source plug-in for the AQ2140 optical multimeter mainframe. OEM AQ4215 (131) listings give center wavelength 1310 plus or minus 30 nm, spectral halfwidth 140 nm or less, applicable fiber 50/125 μm , 62.5/125 μm , and 9/125 μm , optical output greater than -21 dBm in multimode and greater than -40 dBm in single-mode. AQ4215 is also cataloged as 850 nm (085) and 1550 nm (155) LED versions. The optical interface connector AQ9433 is not included with the module. Stable LED stimulus for fiber-loss and component tests in an AQ2140 mainframe.



MODEL

Ando AQ4215

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ4215

LISTING

<https://aumictechlabs.com/products/aq4215-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ando AQ4215 is a 1310nm LED optical source module engineered for precision optical measurements in telecommunications and research applications. It generates a stable optical signal at 1310nm for testing and validating fiber optic systems, delivering -21 dBm or greater

output across a 140nm or narrower spectral halfwidth. The module integrates into compatible Ando main frames - such as the AQ2140 Optical Multimeter - to form a complete measurement system. Its compact design supports both graded-index and single-mode fiber configurations.

Technical Specifications
Emission wavelength: 1310 nm $\pm$ 30 nm
Spectral halfwidth: 140 nm or less
Optical output level: -21 dBm or more
Applicable fiber types: GI/SM
Module model: Ando AQ4215 (131)

Key Features
LED source optimized for 1310nm telecommunications band testing
High-accuracy optical signal generation for spectral component analysis
Compact form factor for systems integration
Requires main frame power supply and control electronics
Optical connectors sold separately (FC, SC, ST, DIN, HMS-10/A adapters available)

Typical Applications
Fiber optic system validation at 1310nm
Optical network component characterization
Telecommunications equipment testing
Research and development of optical systems

Compatibility & Integration
The AQ4215 module interfaces exclusively with compatible Ando main frames, including select AQ2140 Optical Multimeter units. Software version verification is required for certain AQ2140 models to ensure proper operation. Optical return loss measurement is not supported with this LED module. All optical interface connectors and fiber cords are purchased separately.

AQ4215 Characteristics / Specifications

PARAMETER	VALUE
Model	AQ4215
Instrument Type	LED optical source module
Host Mainframe	Ando AQ2140 optical multimeter
Center Wavelength 1	1310 plus or minus 30 nm
Spectral Halfwidth	140 nm or less
Applicable Fiber	50/125 um, 62.5/125 um, and 9/125 um
Multimode Output	greater than -21 dBm
Singlemode Output	greater than -40 dBm
Related 850 Nm	AQ4215 (085) LED source 850 nm
Related 1550 Nm	AQ4215 (155) LED source 1550 nm
Optical Connector	AQ9433 optical interface connector not included
Form Factor	AQ2140 plug-in module
Manufacturer	Ando / Yokogawa
Use Case	LED source for optical loss test
Literature	Ando AQ4215 (131) LED source specifications
Family	Ando AQ421x optical source modules
Documentation Type	OEM AQ4215 module table
Brand Lineage	Ando Yokogawa
System Role	plug-in LED source
Related Ld Module	AQ4213 1310/1550 LD source for AQ2140
Wavelength Class	1310 nm LED for fiber characterization
Control	AQ2140 mainframe front panel and remote
Operating Temperature Class	AQ2140 laboratory window
Operating temperature	Class: AQ2140 laboratory window

AQ4215 Specifications

PARAMETER	VALUE
Ando Yokogawa AQ4215 1310 nm LED Optical Source Module	Overview
Applications	Stable LED stimulus for fiber-loss and component tests in an AQ2140 mainframe.
Key Features	AQ2140 plug-in LED source
Halfwidth 140 nm or less	MM greater than -21 dBm
Technical Specifications	Model: AQ4215

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: AQ2140 laboratory window
Operating Temperature	Class: AQ2140 laboratory window
Operating Temperature Class	AQ2140 laboratory window Notes From Ando AQ4215 (131) LED source listings (1310 plus or minus 30 nm, 140 nm halfwidth, 50/125 62.5/125 9/125 um, greater than -21 dBm MM / greater than -40 dBm SM). 085/155 wavelength rows and stability versus temperature are on the AQ4215 family table.

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	AQ4215
Instrument Type	LED optical source module
Host Mainframe	Ando AQ2140 optical multimeter
Center Wavelength 131	1310 plus or minus 30 nm
Spectral Halfwidth	140 nm or less
Applicable Fiber	50/125 um, 62.5/125 um, and 9/125 um
Multimode Output	greater than -21 dBm
Singlemode Output	greater than -40 dBm
Related 850 Nm	AQ4215 (085) LED source 850 nm
Related 1550 Nm	AQ4215 (155) LED source 1550 nm
Optical Connector	AQ9433 optical interface connector not included
Form Factor	AQ2140 plug-in module
Manufacturer	Ando / Yokogawa
Use Case	LED source for optical loss test
Literature	Ando AQ4215 (131) LED source specifications
Family	Ando AQ421x optical source modules
Documentation Type	OEM AQ4215 module table
Brand Lineage	Ando Yokogawa
System Role	plug-in LED source
Related Ld Module	AQ4213 1310/1550 LD source for AQ2140
Wavelength Class	1310 nm LED for fiber characterization
Control	AQ2140 mainframe front panel and remote
Operating Temperature Class	AQ2140 laboratory window
Notes	
From Ando AQ4215 (131) LED source listings (1310 plus or minus 30 nm, 140 nm halfwidth, 50/125 62.5/125 9/125	

um, greater than -21 dBm MM / greater than -40 dBm SM). 085/155 wavelength rows and stability versus temperature are on the AQ4215 family table.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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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.