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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1205A 1310/1550nm OTDR Multi Field Tester

Optical Connector: SC/FC (2.5 mm ferrule) Distance Measurement Accuracy: per Yokogawa AQ1200 specification at 23 degC Sampling Points Max: per AQ1200 family Group Refractive Index: 1.30000 to 1.79999 (0.00001 steps) Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1205A is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN). Distance Measurement Accuracy: per Yokogawa AQ1200 specification at 23 degC Sampling Points Max: per AQ1200 family Group Refractive Index: 1.30000 to 1.79999 (0.00001 steps) Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1205A is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).



MODEL

**Yokogawa
AQ1205A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1205A

LISTING

[https://aumictechlabs.c
om/products/aq1205a-
2/](https://aumictechlabs.com/products/aq1205a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1205A is a compact, handheld Optical Time Domain Reflectometer (OTDR) engineered for field installation, maintenance, and troubleshooting of single-mode fiber networks. Operating at 1310 nm and 1550 nm, this instrument delivers high dynamic range performance suitable for Passive Optical Network (PON) systems with up to 64-port splitter configurations. The

AQ1205A combines core OTDR functionality with optional integrated optical power meter and light source modules, enabling multi-parameter fiber characterization without switching between separate instruments.

Technical Specifications

OTDR Measurements

Wavelengths: 1310 nm and 1550 nm

Event dead zone: ≤ 0.8 m

Pulse width: 100 ns

Loss measurement accuracy: ± 0.05 dB/dB (for losses ≤ 1 dB)

Readout resolution: 0.001 dB (minimum)

Return loss measurement: Return loss and total return loss capable

Vertical scale options: 0.2, 0.5, 1, 2, 5, 7.5 dB/div

Data storage: 10 to 1000 points

Logging interval: 0.5, 1, 2, 5, or 10 seconds

Fiber type: Single-mode fiber (ITU-T G.652)

Optional Optical Power Meter

Measurement types: Optical power, CW, CHOP (270 Hz/1 kHz/2 kHz)

Power units: dBm, mW, μ W, nW, and relative power (dB)

Dual-wavelength capability: Simultaneous 1490 nm and 1550 nm measurement with wavelength separation for PON applications

Optional Light Source

Independent operation from OTDR

Automatic wavelength switching between 1310 nm and 1550 nm

High output level stability

Wavelength information transmission to paired power meter

Key Features

High dynamic range for demanding PON measurements

Compact, lightweight design for field portability

Modular architecture

OTDR, optical power meter, and light source operate independently or integrated

Typical Applications

Single-mode fiber cable installation and commissioning

PON system testing and characterization

Optical network maintenance and fault location

Return loss and attenuation measurement

Compatibility & Integration

Auto-switching light source and optical power meter coordinate wavelength selection across 1310 nm and 1550 nm bands, streamlining PON field workflows.

AQ1205A Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1205A
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1200 Multi Field Tester
Wavelengths	1310/1550 nm
Dynamic Range Typical	42/40 dB
Event Dead Zone	<= 0.8 m
Attenuation Dead Zone Typical	5/5 m
Distance Range	500 m to 200 km (model dependent)
Pulse Width Settings	3 ns to 10 us
Applicable Fiber	SM (ITU-T G.652)
Optical Connector	SC/FC (2.5 mm ferrule)
Distance Measurement Accuracy	per Yokogawa AQ1200 specification at 23 degC Sampling Points Max: per AQ1200 family
Display	5.7-inch color LCD, 640 × 480
Dimensions	217.5 W x 157 H x 74 D mm
Weight	approximately 1 kg
Battery Operation	approximately 6 hours
Laser Class	Class 1M (IEC 60825-1)
USB Interface	TYPEA x 1; TYPEBmini x 1
Alias	AQ1205A
Group Refractive Index	1.30000 to 1.79999 (0.00001 steps) Notes Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1205A is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).
Dynamic range class	High Dynamic Range
Attenuation	Dead Zone Typical: 5/5 m

AQ1205A Specifications

PARAMETER	VALUE
Yokogawa AQ1205A Multi Field Tester OTDR	Overview
Key Features	- Wavelengths: 1310/1550 nm
Technical Specifications	Model: AQ1205A

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.

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Optional PON Mode: /PN suffix

Optional Ethernet: /LAN suffix

Alias: AQ1205A

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Notes

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Laser Safety

Class 1M (IEC 60825-1)

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.