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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1200A 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. AQ1200A 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. AQ1200A is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).



MODEL

**Yokogawa
AQ1200A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1200A

LISTING

<https://aumictechlabs.com/products/aq1200a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1200A is a compact handheld Optical Time Domain Reflectometer (OTDR) for field installation, maintenance, and troubleshooting of single-mode fiber networks. Operating at 1310 nm and 1550 nm wavelengths, it delivers a dynamic range of 32 dB and 30 dB respectively, with exceptionally short event dead zone performance of ≤ 0.8 m. The instrument combines OTDR

functionality with integrated light source and optical power meter capabilities, enabling comprehensive fiber characterization from 500 m to 200 km distance ranges with selectable pulse widths from 3 ns to 10 μ s and sampling resolution down to 5 cm. Distance measurement accuracy is ± 1 m plus 2×10^{-5} of measured distance, with loss measurement accuracy of ± 0.05 dB under 1 dB conditions.

Technical Specifications

Optical Performance

Wavelengths: 1310 nm and 1550 nm (± 25 nm) Dynamic Range: 32 dB (1310 nm) / 30 dB (1550 nm) Event Dead Zone: ≤ 0.8 m Attenuation Dead Zone: 5 m typical Distance Range: 500 m to 200 km with nine selectable range modes Pulse Width: 3 ns to 10 μ s (eight incremental selections) Sampling Resolution: 5 cm to 32 m (eight selectable increments) Maximum Data Points: Up to 128,000 (Firmware Rev 2.01 or later) Distance Accuracy: ± 1 m + measurement distance $\times 2 \times 10^{-5} \pm$ sampling resolution Loss Accuracy: ± 0.05 dB (for losses ≤ 1 dB) Loss Resolution: 0.001 dB (max 5 digits)

Integrated Instrumentation

Light Source: 1310 nm and 1550 nm with automatic wavelength switching Optical Power Meter: Auto-switching capability synchronized with light source Return Loss Measurement: Common optical return loss (ORL) and total reflection between arbitrary trace points

Key Features

Full Auto and Manual (Expert) measurement modes PON measurement mode optimized for high-port-count splitter environments Single and multi-trace analysis: simultaneous display, two-way comparison, differential analysis Nonuniformities detection, auto pass/fail criteria, and splice loss quantification Fiber end-face inspection via external USB video probe Fault locator for rapid event identification Bright LCD display for field visibility

Typical Applications

PON network installation and commissioning Single-mode fiber plant acceptance testing Event localization and characterization Splice and connector loss analysis Fiber continuity and quality verification

Compatibility & Integration

External USB video fiber inspection probe support for end-face documentation. Automatic wavelength synchronization between light source and optical power meter eliminates manual switching requirements.

AQ1200A Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1200A
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1200 Multi Field Tester
Wavelengths	1310/1550 nm
Dynamic Range Typical	32/30 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	AQ1200A
Group Refractive Index	1.30000 to 1.79999 (0.00001 steps) Notes Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1200A is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).
Dynamic range class	Standard Dynamic Range
Attenuation	Dead Zone Typical: 5/5 m

AQ1200A Specifications

PARAMETER	VALUE
Yokogawa AQ1200A Multi Field Tester OTDR	Overview
Key Features	- Wavelengths: 1310/1550 nm
Technical Specifications	Model: AQ1200A

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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Optional PON Mode: /PN suffix

Optional Ethernet: /LAN suffix

Alias: AQ1200A

Group Refractive Index: 1.30000 to 1.79999 (0.00001 steps)

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.