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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1200E 1310/1550/1625nm 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. AQ1200E 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. AQ1200E is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).



MODEL

**Yokogawa
AQ1200E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1200E

LISTING

<https://aumictechlabs.com/products/aq1200e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1200E is a handheld OTDR designed for field testing and maintenance of single-mode optical fiber networks. Operating at 1310 nm, 1550 nm, and 1625 nm, it delivers dynamic range up to 32 dB and sub-meter event resolution for precise fault detection in live networks. The built-in cutoff filter at 1625 nm enables non-disruptive measurements on in-service PON systems

without interrupting active traffic.

Technical Specifications

Optical Performance

Wavelengths: 1310 nm $\pm$ 25 nm, 1550 nm $\pm$ 25 nm, 1625 nm $\pm$ 10 nm

Dynamic range: 32 dB (1310 nm), 30 dB (1550 nm), 30 dB (1625 nm)

Event dead zone: 0.75 m typical, $\leq$ 0.8 m maximum

Attenuation dead zone: 4 m / 5 m typical (1310/1550 nm), 7 m typical (1625 nm)

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

Display & Data Storage

5.7-inch color LCD, 640 $\times$ 480 resolution

10 to 1000 data records with configurable logging intervals (0.5, 1, 2, 5, or 10 seconds)

Physical & Power Dimensions: 217.5 mm (W) $\times$ 157 mm (H) $\times$ 74 mm (D)

Mass: Approximately 1 kg including protector and battery

Battery operation: 6 hours

Power input: 100–240 VAC, 50/60 Hz (AC adapter)

Laser classification: Class 1

Connectivity

Optical connectors: SC, FC, ASC

USB 1.1 Type A $\times$ 1, USB Type B (mini) $\times$ 1

Ethernet (optional)

Key Features

Built-in cutoff filter enables 1625 nm measurements on live PON networks without service disruption

0.75 m event resolution distinguishes closely spaced connectors and splitter ports

PON measurement mode optimized for FTTH fault detection and repair

PC control via USB or optional Ethernet connectivity

Integrated PING test for network diagnostics without external PC

Compatible with USB fiber inspection probes for end-face visual analysis

Typical Applications

FTTH network installation, commissioning, and maintenance

Passive Optical Network (PON) testing and troubleshooting

Live network measurements on active 1310/1550 nm services

Connector and splice loss verification

Fiber break and fault location

Compatibility & Integration

Optional modules include light source, optical power meter (Standard, PON, and High-Power variants), and automatic loss measurement.

USB and Ethernet interfaces enable data logging and remote control for field documentation and off-site analysis.

Features & description

From manufacturer datasheet

Features

- Wavelengths: 1310/1550, 1625 nm

AQ1200E Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1200E
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1200 Multi Field Tester
Wavelengths	1310/1550, 1625 nm
Dynamic Range Typical	34/33, 33 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	AQ1200E
Group Refractive Index	1.30000 to 1.79999 (0.00001 steps) Notes Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1200E 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

AQ1200E Specifications

PARAMETER	VALUE
Yokogawa AQ1200E Multi Field Tester OTDR	Overview
Key Features	- Wavelengths: 1310/1550, 1625 nm
Technical Specifications	Model: AQ1200E

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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Specifications

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Weight	approximately 1 kg
Battery Operation	approximately 6 hours
Laser Class	Class 1M (IEC 60825-1)

USB Interface: TYPEA x 1; TYPEBmini x 1

Optional PON Mode: /PN suffix

Optional Ethernet: /LAN suffix

Alias: AQ1200E

Group Refractive Index: 1.30000 to 1.79999 (0.00001 steps)

Notes

Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1200E is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.