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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1205E 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. AQ1205E 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. AQ1205E is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).



MODEL

**Yokogawa
AQ1205E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1205E

LISTING

[https://aumictechlabs.c
om/products/aq1205e-
2/](https://aumictechlabs.com/products/aq1205e-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1205E is a handheld Optical Time Domain Reflectometer (OTDR) designed for installation, commissioning, and maintenance of single-mode fiber networks. Operating across three wavelengths - 1310 nm, 1550 nm, and 1625 nm - this compact instrument delivers dynamic range up to 40 dB and 0.75 m event resolution, enabling precise fault location and attenuation

measurements on both dark fiber and live PON systems. The 1625 nm port includes a built-in cutoff filter, permitting non-disruptive testing on in-service networks. Weighing approximately 1 kg with A5-size form factor, the AQ1205E integrates OTDR measurement with optional light source, power meter, fault locator, and fiber inspection capabilities. Field measurements can be logged to internal or USB storage and exported as CSV reports.

Technical Specifications

Wavelengths: 1310 nm (± 25 nm), 1550 nm (± 25 nm), 1625 nm (± 10 nm or ± 25 nm)

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

Dynamic Range: 40 dB typical at 1310 nm; 38 dB typical at 1550 nm; 33–36 dB at 1625 nm (guaranteed)

Event Dead Zone: 0.75 m typical

Attenuation Dead Zone: 4–5 m typical

Spatial Resolution: 0.75 m

1625 nm Cutoff Filter: Integrated for live-network operation

PON Measurement Mode: Optimized for splitter networks with controlled undershoot

Key Features

- Tri-wavelength capability for installation and maintenance workflows
- High-resolution measurement distinguishing closely-spaced connectors
- Wide dynamic range accommodating long spans and high-loss PON architectures
- Built-in 1625 nm filter enabling testing on active signals
- Compact, portable design approximately A5 size, ~1 kg
- Optional modules: light source, optical power meter (standard/PON/high-power variants), automatic loss measurement, multi-fiber loss measurement, visible light source, fault locator, IP test, fiber inspection probe
- USB Type B and optional Ethernet connectivity
- CSV data export

Typical Applications

- Single-mode fiber installation and acceptance testing
- PON network commissioning and troubleshooting
- Live-network maintenance via 1625 nm wavelength
- Fault localization and splice-loss characterization
- Long-distance span verification

Compatibility & Integration

- Conforms to ITU-T G.652 single-mode fiber specifications
- USB and optional Ethernet interfaces for data transfer and remote operation

Features & description

From manufacturer datasheet

Features

- Wavelengths: 1310/1550, 1625 nm

AQ1205E Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1205E
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1200 Multi Field Tester
Wavelengths	1310/1550, 1625 nm
Dynamic Range Typical	42/40, 36 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	AQ1205E
Group Refractive Index	1.30000 to 1.79999 (0.00001 steps) Notes Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1205E 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

AQ1205E Specifications

PARAMETER	VALUE
Yokogawa AQ1205E Multi Field Tester OTDR	Overview
Key Features	- Wavelengths: 1310/1550, 1625 nm
Technical Specifications	Model: AQ1205E

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: AQ1205E

Group Refractive Index: 1.30000 to 1.79999 (0.00001 steps)

Notes

Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1205E 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.