

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1215E 1310/1550/1625nm OTDR

The Yokogawa AQ1215E is a handheld OTDR in the AQ1210 series designed for fast, reliable field measurements on optical access networks. Dual operation via 5.7-inch multi-touch capacitive screen and hard-key buttons with automatic measurement and PON-optimized analysis. FTTH/PON installation and maintenance; high-port-count splitter network characterization (up to 1 × 128 splits); live-fiber maintenance wavelengths; field reporting via wireless connectivity.



MODEL

**Yokogawa
AQ1215E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1215E

LISTING

<https://aumictechlabs.com/products/aq1215e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1215E is a multi-wavelength Optical Time Domain Reflectometer (OTDR) for field testing and maintenance of single-mode fiber networks. Operating at 1310 nm, 1550 nm, and 1625 nm with dynamic ranges of 42 dB, 40 dB, and 39 dB respectively, it delivers measurement capability across distances from 0.1 km to 512 km. The 1625 nm port includes filtering for live PON network testing. Equipped with dual SC/PC optical ports, the instrument supports up to 1×128 splitter configurations and manages measurement conditions for up to 2000 fiber cores, making it suitable for CATV, telecommunications, and data center applications.

Technical Specifications
Wavelengths: 1310 nm, 1550 nm, 1625 nm (1625 nm with PON filter)
Dynamic Range: 42 dB (1310 nm), 40 dB (1550 nm), 39 dB (1625 nm)
Event Dead Zone: 0.5 m
Attenuation Dead Zone: 2.5 m
PON Dead Zone (Backscatter): 30 m
Distance Range: 0.1 km to 512 km
Pulse Width: 3 ns to

20,000 ns OTDR Measurement Time: 3 minutes Fiber Type: SM (ITU-T G.652) Optical Connectors: SC/PC, 2 ports PON Splitter Support: Up to 1×128 configurations Multi-fiber Capacity: 2000 coresKey Features Smart Mapper with variable pulse-width acquisition Dual-mode operation: multi-touch touchscreen and hard-key interface 5.7-inch color TFT LCD display (640 × 480 resolution) Internal storage for over 1000 traces; USB external storage Switchable trace and event icon representation Trace or map view modes via touchscreen control Lightning startup time with multi-tasking operation Integrated optical loss measurement with light source and power meter Multi-fiber loss testing via dual AQ1210 master/slave configuration Li-ion polymer battery with over 10 hours operation USB (Type-A and Type-C) and Wireless LAN connectivity Easy-to-read analysis reporting with software applicationsTypical Applications Single-mode fiber cable installation and certification PON network testing and commissioning CATV trunk and branch network maintenance Data center fiber infrastructure verification Multi-core cable acceptance testingCompatibility & Integration Connects via USB Type-C for data transfer and charging, USB Type-A for communication dongles. Wireless LAN adapter (external) supported. SC/PC connectors on both optical ports enable direct connection to standard telecommunications and data center fiber patch panels.

Features & description

From manufacturer datasheet

Features

- Wavelengths: 1310/1550, 1625 nm

AQ1215E Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1215E
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1210 Multi Field Tester
Wavelengths	1310/1550, 1625 nm
Dynamic Range Port 1 Typical	42 dB at 1310 nm
Dynamic Range Port 2 Typical	40 dB at 1550 nm
Maintenance Wavelength DR	39 dB typical
Event Dead Zone	0.5 m typical (AQ1215/AQ1216 class)
Attenuation Dead Zone	2.5 m typical
PON Dead Zone	30 m typical
Distance Range	0.1 to 256 km (512 km on high-DR models)
Pulse Width	3 ns to 20 us
Distance Measurement Accuracy	+/- (0.75 m + measured distance x 2 × 10 ⁻⁵ + sampling resolution)
Sampling Resolution Min	2 cm
Sampling Points Max	256000
Loss Measurement Accuracy	+/-0.03 dB/dB (typical)
Display	5.7-inch TFT LCD, 640 × 480, multi-touch capacitive
Battery Operation	10 hours or more
Recharge Time	5 hours (power off)
Dimensions	approx. 210 × 148 × 69 mm
Weight	approx. 1 kg
USB	TypeAx 2; TypeCx 1 (power, storage, remote)
Internal Memory	>=1000 traces
Live Port Cut Filter	Yes

PARAMETER	VALUE
Alias	AQ1215E Notes Specs from Yokogawa AQ1210 series datasheet. with cut filter on maintenance port. Confirm suffix codes and installed universal adapters (SC/FC/LC).
Attenuation	Dead Zone: 2.5 m typical

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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Instrument Type	Optical Time Domain Reflectometer
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Specifications

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Dimensions	approx. 210 x 148 x 69 mm

Specifications

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Weight	approx. 1 kg
USB	TypeA _x 2; TypeC _x 1 (power, storage, remote)
Internal Memory	>=1000 traces

Live Port Cut Filter: Yes

Alias: AQ1215E

Notes

Specs from Yokogawa AQ1210 series datasheet. with cut filter on maintenance port. Confirm suffix codes and installed universal adapters (SC/FC/LC).

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 ·
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.