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Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1215A 1310/1550nm OTDR

The Yokogawa AQ1215A 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
AQ1215A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1215A

LISTING

<https://aumictechlabs.com/products/aq1215a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1215A is a dual-wavelength Optical Time Domain Reflectometer (OTDR) for field testing and troubleshooting of single-mode fiber networks. Operating at 1310 nm and 1550 nm, it delivers dynamic range up to 42 dB and measurement capability to 512 km. The instrument combines a 5.7-inch color TFT LCD touchscreen with hard-key operation, integrated Li-ion battery (10-hour runtime), and modular architecture suited to access and enterprise fiber deployments. Technical Specifications Wavelengths: 1310 nm and 1550 nm (±25 nm accuracy) Dynamic Range: 42 dB @ 1310 nm; 40 dB @ 1550 nm Maximum Range: 512 km Distance Accuracy: $\pm(0.75 \text{ m} + \text{measurement distance} \times 2 \times 10^{-5} + 2 \text{ cm})$ Pulse Width: 3 ns to 20,000 ns (selectable); 3–5 ns for $\leq 10 \text{ km}$; 20 μs for $\leq 300 \text{ km}$ Dead Zones: Event 0.5 m; Attenuation 2.5 m; PON 30 m Sampling Points: Up to 256,000 per trace Measurement Time: ~3 minutes per

acquisition Modulation: 270 Hz to 2 kHz; continuous wave (CW) capable Return Loss: ≥ 55 dB minimum Fiber Type: Single Mode (ITU-T G.652) Key Features 5.7-inch (640 × 480) color TFT display with multi-touch capacitive touchscreen and hard-key buttons Selectable Normal and Hi-Resolution sampling modes Internal storage for >1000 traces; external via USB Export formats: SOR, PDF, JPG, CSV, BMP, SET USB 2.0 (Type-A and Type-C) for data transfer and remote control LAN connectivity via USB Type-A wired adapter Wi-Fi support for field reporting SC, FC, and LC connector support Li-ion polymer battery with ~10-hour operating life Typical Applications Fiber installation and acceptance testing Cable plant maintenance and troubleshooting Network access and enterprise deployments Long-distance link characterization Compatibility & Integration The AQ1215A interfaces via USB 2.0 and LAN for integration into test automation and remote monitoring workflows. Connector flexibility (SC/FC/LC) and standardized data formats (SOR, CSV, PDF) enable interoperability across installation and operations platforms.

AQ1215A Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1215A
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1210 Multi Field Tester
Wavelengths	1310/1550 nm
Dynamic Range Port 1 Typical	42 dB at 1310 nm
Dynamic Range Port 2 Typical	40 dB at 1550 nm
Maintenance Wavelength DR	40 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	No

PARAMETER

VALUE

Alias

AQ1215A Notes Specs from Yokogawa AQ1210 series datasheet. .
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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Live Port Cut Filter: No

Alias: AQ1215A

Notes

Specs from Yokogawa AQ1210 series datasheet. . 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

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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.