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**Data Sheet**

August 13, 2026

YOKOGAWA

# Yokogawa AQ1210A 1310/1550nm OTDR

The Yokogawa AQ1210A 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  
AQ1210A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**AQ1210A**

LISTING

<https://aumictechlabs.com/products/aq1210a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Yokogawa AQ1210A is a dual-wavelength Optical Time Domain Reflectometer (OTDR) engineered for field characterization and troubleshooting of optical fiber networks. Operating at 1310 nm and 1550 nm with dynamic ranges of 37 dB and 35 dB respectively, it delivers high sampling resolution (5 cm) and short event dead zone (0.75 m) for precise near-end fault detection. The instrument weighs 1 kg and fits the footprint of a tablet, making it portable without sacrificing measurement capability. Technical Specifications Wavelengths: 1310 nm / 1550 nm Dynamic Range: 37 dB (1310 nm), 35 dB (1550 nm) Event Dead Zone: 0.75 m Attenuation Dead Zone: 4 m Sampling Resolution: 5 cm Maximum Data Points: 256,000 PON Characterization: Supports up to 1×128 splitters Battery Life: 10+ hours Battery Recharge Time: 5 hours Startup Time: Under 10 seconds Power Source: High-capacity Li-Ion polymer battery Key Features 5.7-

inch color TFT LCD touchscreen (640×480) with glove-operable capacitive multi-touch and hard-key buttons Real-time, averaged, and full auto measurement modes Multi-trace, 2-way trace, and differential trace analysis Section analysis with return loss measurement Smart Mapper function with icon-based network visualization and PASS/FAIL judgment Data export: SOR, PDF, JPG, CSV, BMP, SET formats Wi-Fi and Ethernet connectivity for remote control and wireless data transfer USB Type-A, USB Type-C ports; external fiber inspection probe support Typical Applications PON installation and acceptance testing with high-port-count splitter characterization Multi-fiber network verification and fault location Event detection in congested fiber sections Field reporting with immediate PDF generation and email transmission Compatibility & Integration Complies with EN61326-1 Class A, EN55011 Class A Group 1, and EN61326-1 Table 2 for industrial environments. Interfaces via Wi-Fi, Ethernet, and USB for integration with field service platforms and cloud storage systems.

# AQ1210A Characteristics / Specifications

| PARAMETER                     | VALUE                                                                         |
|-------------------------------|-------------------------------------------------------------------------------|
| Model                         | AQ1210A                                                                       |
| Manufacturer                  | Yokogawa                                                                      |
| Instrument Type               | Optical Time Domain Reflectometer                                             |
| Series                        | AQ1210 Multi Field Tester                                                     |
| Wavelengths                   | 1310/1550 nm                                                                  |
| Dynamic Range Port 1 Typical  | 37 dB at 1310 nm                                                              |
| Dynamic Range Port 2 Typical  | 35 dB at 1550 nm                                                              |
| Maintenance Wavelength DR     | 35 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 <sup>-5</sup> + 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       | AQ1210A Notes Specs from Yokogawa AQ1210 series datasheet. .<br>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                |                                                                    |
|-------------------------------|--------------------------------------------------------------------|
| Specifications                |                                                                    |
| PARAMETER                     | VALUE                                                              |
| Model                         | AQ1210A                                                            |
| Manufacturer                  | Yokogawa                                                           |
| Instrument Type               | Optical Time Domain Reflectometer                                  |
| Specifications                |                                                                    |
| PARAMETER                     | VALUE                                                              |
| Series                        | AQ1210 Multi Field Tester                                          |
| Wavelengths                   | 1310/1550 nm                                                       |
| Dynamic Range Port 1 Typical  | 37 dB at 1310 nm                                                   |
| Specifications                |                                                                    |
| PARAMETER                     | VALUE                                                              |
| Dynamic Range Port 2 Typical  | 35 dB at 1550 nm                                                   |
| Maintenance Wavelength DR     | 35 dB typical                                                      |
| Event Dead Zone               | 0.5 m typical (AQ1215/AQ1216 class)                                |
| Specifications                |                                                                    |
| PARAMETER                     | VALUE                                                              |
| 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)                           |
| Specifications                |                                                                    |
| PARAMETER                     | VALUE                                                              |
| Pulse Width                   | 3 ns to 20 us                                                      |
| Distance Measurement Accuracy | +/- (0.75 m + measured distance x 2 x 10^-5 + sampling resolution) |
| Sampling Resolution Min       | 2 cm                                                               |

### Specifications

| PARAMETER                 | VALUE                                               |
|---------------------------|-----------------------------------------------------|
| Sampling Points Max       | 256000                                              |
| Loss Measurement Accuracy | +/-0.03 dB/dB (typical)                             |
| Display                   | 5.7-inch TFT LCD, 640 x 480, multi-touch capacitive |

### Specifications

| PARAMETER         | VALUE                     |
|-------------------|---------------------------|
| Battery Operation | 10 hours or more          |
| Recharge Time     | 5 hours (power off)       |
| Dimensions        | approx. 210 x 148 x 69 mm |

### Specifications

| PARAMETER       | VALUE                                         |
|-----------------|-----------------------------------------------|
| Weight          | approx. 1 kg                                  |
| USB             | TypeA x 2; TypeC x 1 (power, storage, remote) |
| Internal Memory | >=1000 traces                                 |

Live Port Cut Filter: No

Alias: AQ1210A

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](mailto: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.