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Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1210D 850/1300/1310/1550nm OTDR

The Yokogawa AQ1210D 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
AQ1210D**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1210D

LISTING

<https://aumictechlabs.com/products/aq1210d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1210D is a compact optical time-domain reflectometer (OTDR) engineered for installation, commissioning, and maintenance of fiber-optic networks spanning access, LAN, PON, FTTA, FTTH, and FTTB deployments. It delivers dual-mode testing across single-mode and multimode fibers with four operational wavelengths: 850 nm ± 15 nm, 1300 nm ± 30 nm, 1310 nm ± 20 nm, and 1550 nm ± 20 nm. The instrument achieves dynamic ranges of 37 dB (1310 nm SM), 35 dB (1550 nm SM), 27 dB (1300 nm MM), and 25 dB (850 nm MM). Technical Specifications Optical Performance Wavelengths: 850 nm ± 15 nm, 1300 nm ± 30 nm (multimode); 1310 nm ± 20 nm, 1550 nm ± 20 nm (single-mode) Dynamic Range: 37 dB @ 1310 nm, 35 dB @ 1550 nm (SM); 27

dB @ 1300 nm, 25 dB @ 850 nm (MM) Event Dead Zone: 0.5 m (SM), 0.75 m (MM) Attenuation Dead Zone: 2.5 m (SM), 4.0 m (MM) Sampling Resolution: 5.2 cm (SM), 2 cm (MM) Attenuation Measurement Accuracy: 0.05 dB/dB Display & User Interface 5.7-inch color TFT LCD, 640 × 480 resolution, multi-touch capacitive touchscreen Hybrid control: touchscreen, physical buttons, rotary dial Data & Connectivity Internal Storage: ≥1000 traces Write Formats: SOR, CSV, SET, SMP, BMP, JPG, PDF Read Formats: SOR, SET, SMP USB: 2× Type-A ports Power: USB Type-C charging Remote Control: Wi-Fi or Ethernet (optional adapter) Power & Portability Lithium-ion battery, >10 hours runtime (Telcordia standard) 210 × 148 × 69 mm; ~1 kg (with battery) Startup: <10 seconds

Key Features Dual-fiber-mode operation (SM/MM) eliminates wavelength switching between network types Smart Mapper delivers icon-based network topology with instant PASS/FAIL indication PON analysis supports splitter ratios to 1:128 On-board PDF report generation

Typical Applications Access networks, enterprise LANs, passive optical networks (PON), fiber-to-the-antenna (FTTA), fiber-to-the-home (FTTH), fiber-to-the-building (FTTB)

Compatibility & Integration Accepts external USB storage; exports measurement data in industry-standard SOR format for third-party analysis tools.

Features & description

From manufacturer datasheet

Features

- Wavelengths: 1310/1550, 850/1300 nm (MM)

AQ1210D Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1210D
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1210 Multi Field Tester
Wavelengths	1310/1550, 850/1300 nm (MM)
Dynamic Range Port 1 Typical	37 dB at 1310 nm
Dynamic Range Port 2 Typical	35 dB at 1550 nm
Maintenance Wavelength DR	25/27 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	AQ1210D 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	
Specifications	
PARAMETER	VALUE
Model	AQ1210D
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Specifications	
PARAMETER	VALUE
Series	AQ1210 Multi Field Tester
Wavelengths	1310/1550, 850/1300 nm (MM)
Dynamic Range Port 1 Typical	37 dB at 1310 nm
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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: AQ1210D

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.