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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1210E 1310/1550/1625nm OTDR

The Yokogawa AQ1210E 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
AQ1210E**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1210E

LISTING

<https://aumictechlabs.com/products/aq1210e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1210E is a triple-wavelength Optical Time Domain Reflectometer (OTDR) engineered for field testing of single-mode optical fiber networks. Operating at 1310 nm, 1550 nm, and 1625 nm, it delivers dynamic range of 37 dB at 1310 nm and 35 dB at both 1550 nm and 1625 nm. The instrument measures fiber links from 0.1 to 256 km with event dead zone of 0.75 m, attenuation dead zone of 4 m, and PON dead zone of 35 m. Sampling resolution reaches 5 cm minimum across up to 256,000 points. Loss measurement accuracy is ±0.05 dB/dB; optical return loss accuracy is ±2 dB. Pulse widths range from 5 ns to 20,000 ns for adaptive characterization. The 5.7-inch multi-touch LCD display supports both touchscreen and hard-key operation with rotary dial control for field use. Startup time is under 10 seconds. Automatic and high-speed real-time measurement modes operate simultaneously. Smart Mapper function generates icon-based

event reports. PON system capability extends to 128-split networks. Dimensions are 210 mm (W) × 148 mm (H) × 69 mm (D); weight is 1 kg. Battery runtime reaches 10 hours on a single charge via USB Type-C power adapter (sold separately). Wi-Fi and Ethernet connectivity enable remote access and wireless data transfer. Built-in post-processing generates PDF reports with configurable templates. USB Type-C port supports both charging and data export. Designed for ITU-T G.652 single-mode fiber characterization, the AQ1210E combines compact field portability with industrial-grade measurement precision.

Features & description

From manufacturer datasheet

Features

- Wavelengths: 1310/1550, 1625 nm

AQ1210E Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1210E
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1210 Multi Field Tester
Wavelengths	1310/1550, 1625 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 x 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 x 480, multi-touch capacitive
Battery Operation	10 hours or more
Recharge Time	5 hours (power off)
Dimensions	approx. 210 x 148 x 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	AQ1210E 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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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

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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.