


Aumictech

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1215F 1310/1550/1650nm OTDR

The Yokogawa AQ1215F 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
AQ1215F**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1215F

LISTING

[https://aumictechlabs.c
om/products/aq1215f-2/](https://aumictechlabs.com/products/aq1215f-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1215F is a portable optical time-domain reflectometer (OTDR) for installation, maintenance, and troubleshooting of single-mode fiber networks. Operating at 1310 nm, 1550 nm, and 1650 nm, it delivers multi-wavelength capability across access and enterprise deployments. The instrument combines OTDR trace analysis with optical power measurement (OPM) functionality, event detection, and automated pass/fail judgment to characterize fiber core performance and locate faults rapidly. A built-in reporting engine generates PDF documentation with configurable templates, while USB Type-C and LAN/WLAN connectivity enable field operation and remote control. Technical Specifications Wavelengths 1310 nm ±25 nm 1550 nm ±25 nm 1650 nm ±5 nm Distance and Resolution Distance range: 0.1 km to 512 km Pulse width: 3 ns to 20,000 ns Event dead zone: 0.5 m Attenuation dead zone: 2.5 m PON dead zone: 30 m Dynamic Range 1310 nm: 42 dB 1550 nm: 40 dB 1650 nm: 37 dB Fiber Type Single-mode (SM) ITU-T

G.652Key Features Dual-mode operation: OTDR for trace analysis and optical power meter for transmitter/network verification Automated pass/fail assessment integrating trace data, power levels, and connector surface imagery PDF report generation with flexible template customization 5.7-inch capacitive touchscreen display with rotary dial control Compact form factor: ~1 kg, tablet-sized chassis Long-battery operation with USB Type-C chargingTypical Applications Single-mode fiber plant acceptance testing and characterization Fault location and attenuation measurement in installed networks. Connector and splice loss quantification. PON and long-haul span diagnostics.Compatibility & Integration USB Type-C interface: Windows 7, 8, 8.1, 10 connectivity with device driver support for control I/O and storage. LAN/WLAN remote control via communication dongle. OTDR port: maximum input -5 dBm; OPM/PON-OPM port: maximum input +10 dBm (1310/1490 nm) or +27 dBm (1550 nm high-power mode).

Features & description

From manufacturer datasheet

Features

- Wavelengths: 1310/1550, 1650 nm

AQ1215F Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1215F
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1210 Multi Field Tester
Wavelengths	1310/1550, 1650 nm
Dynamic Range Port 1 Typical	42 dB at 1310 nm
Dynamic Range Port 2 Typical	40 dB at 1550 nm
Maintenance Wavelength DR	37 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	AQ1215F 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	
Specifications	
PARAMETER	VALUE
Model	AQ1215F
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Specifications	
PARAMETER	VALUE
Series	AQ1210 Multi Field Tester
Wavelengths	1310/1550, 1650 nm
Dynamic Range Port 1 Typical	42 dB at 1310 nm
Specifications	
PARAMETER	VALUE
Dynamic Range Port 2 Typical	40 dB at 1550 nm
Maintenance Wavelength DR	37 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	TypeAx 2; TypeCx 1 (power, storage, remote)
Internal Memory	>=1000 traces

Live Port Cut Filter: Yes

Alias: AQ1215F

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
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.