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Data Sheet

August 13, 2026

YOKOGAWA

Yokogawa AQ1205F 1310/1550/1650nm OTDR Multi Field Tester

Optical Connector: SC/FC (2.5 mm ferrule) Distance Measurement Accuracy: per Yokogawa AQ1200 specification at 23 degC Sampling Points Max: per AQ1200 family Group Refractive Index: 1.30000 to 1.79999 (0.00001 steps) Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1205F is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN). Distance Measurement Accuracy: per Yokogawa AQ1200 specification at 23 degC Sampling Points Max: per AQ1200 family Group Refractive Index: 1.30000 to 1.79999 (0.00001 steps) Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1205F is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).



MODEL

**Yokogawa
AQ1205F**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ1205F

LISTING

<https://aumictechlabs.com/products/aq1205f-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Yokogawa AQ1205F is a tri-wavelength OTDR designed for installation, commissioning, and maintenance of optical fiber networks across 1310 nm, 1550 nm, and 1650 nm. This compact, lightweight field tester delivers high dynamic range and superior waveform quality, enabling precise measurements in Passive Optical Network (PON) systems with high-port-count splitters

and significant insertion loss. The instrument's short event dead zone of 0.75 m resolves closely spaced connectors in FTTx and access networks, while dual-port architecture segregates communication wavelengths (1310/1550 nm) from dedicated maintenance wavelength (1650 nm) operation. Technical Specifications Wavelengths: 1310 nm, 1550 nm, 1650 nm Port Configuration: Port 2 supports 1310/1550 nm; Port 3 supports 1650 nm Dynamic Range: 34/33 dB (typ.) and 42/40 dB (typ.) across wavelength combinations Event Dead Zone: 0.75 m (typical) PON Measurement: Optimized for systems with up to 64-port optical splitters Key Features Maintains live fiber measurements using dedicated 1650 nm wavelength without disrupting active traffic Delivers quality waveforms even with high optical splitter insertion loss Resolves closely placed connectors in high-density fiber deployments Portable form factor enhances field deployment efficiency Typical Applications PON system installation and certification Fault location and event identification in access networks Maintenance testing on in-service fiber infrastructure FTTx network commissioning Compatibility & Integration USB Interface: Type B (mini USB), USB Rev. 1.1 for PC data transfer and control LAN Interface: Optional Ethernet connection for remote OTDR control and PING network testing Additional Connectors: DC power input, optical power meter port, OTDR light source ports Operational Limitation: Remote USB control unavailable during active storage function

Features & description

From manufacturer datasheet

Features

- Wavelengths: 1310/1550, 1650 nm

AQ1205F Characteristics / Specifications

PARAMETER	VALUE
Model	AQ1205F
Manufacturer	Yokogawa
Instrument Type	Optical Time Domain Reflectometer
Series	AQ1200 Multi Field Tester
Wavelengths	1310/1550, 1650 nm
Dynamic Range Typical	42/40, 37 dB
Event Dead Zone	<= 0.8 m
Attenuation Dead Zone Typical	5/5 m
Distance Range	500 m to 200 km (model dependent)
Pulse Width Settings	3 ns to 10 us
Applicable Fiber	SM (ITU-T G.652)
Optical Connector	SC/FC (2.5 mm ferrule)
Distance Measurement Accuracy	per Yokogawa AQ1200 specification at 23 degC Sampling Points Max: per AQ1200 family
Display	5.7-inch color LCD, 640 × 480
Dimensions	217.5 W x 157 H x 74 D mm
Weight	approximately 1 kg
Battery Operation	approximately 6 hours
Laser Class	Class 1M (IEC 60825-1)
USB Interface	TYPEA x 1; TYPEBmini x 1
Alias	AQ1205F
Group Refractive Index	1.30000 to 1.79999 (0.00001 steps) Notes Specs from Yokogawa AQ1200 Multi Field Tester datasheet and press materials. AQ1205F is discontinued; successor family is AQ1210. Confirm installed options (/OPM, /VLS, /LAN, /PN).
Dynamic range class	High Dynamic Range
Attenuation	Dead Zone Typical: 5/5 m

AQ1205F Specifications

PARAMETER	VALUE
Yokogawa AQ1205F Multi Field Tester OTDR	Overview
Key Features	- Wavelengths: 1310/1550, 1650 nm
Technical Specifications	Model: AQ1205F

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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Optional PON Mode: /PN suffix

Optional Ethernet: /LAN suffix

Alias: AQ1205F

Group Refractive Index: 1.30000 to 1.79999 (0.00001 steps)

Notes

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Laser Safety

Class 1M (IEC 60825-1)

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

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NIST-traceable calibration · SAM registered ·
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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.