

Multi-Field Tester Series AQ1300/AQ1100

As FTTH and other broadband networks have spread, the IP traffic passing through networks has rapidly increased. Accordingly, the interfaces are being changed from 1G to 10G Ethernet. In response to this market trend, Yokogawa has released its first models of field measuring instruments for 10G Ethernet networks.

While handy optical power meters and laser diode light sources are available for installing and maintaining optical fibers, Yokogawa has simultaneously developed the Optical Loss Test Set (OLTS) to meet the demand for an integrated optical loss measuring instrument.

The two models of the new multi-field tester series are developed intending the use in the field.

■ Product lineup

The construction and maintenance of optical communication systems are classified into the construction of network systems and installation of optical fiber cable. The communication performance, quality, and normality of functions of network systems are tested during the former, while the loss characteristics of optical fiber cable are measured primarily during the latter.

For such purposes, these two models of the multi-field tester series are equipped with various functions in a compact body for conducting the work more efficiently, consistently, and with higher quality.

■ AQ1300 MULTI-FIELD TESTER 10G ETHERNET



It has been considered difficult to downsize the circuit and frame of 10G Ethernet testers that require far larger power than 1G Ethernet testers. However, Yokogawa has reduced the power consumption, weight and size of the tester in the AQ1300 utilizing its original thermal design technology.

FEATURES

- World's smallest-in-class 10G Ethernet tester
 - A5-size (incl. protector)
 - Robust body designed for field use
 - Lightweight (1.5 kg or less), lighter burden while carrying or operating on hand
- All-in-one functions necessary for path testing
 - Optical and electrical measurement ports for 10M to 10G

- Ethernet and optical power meter (factory installed option)
- Throughput, latency, BERT, loop back, and high-speed PING tests
- Diverse test frame generation functions
- Pass/fail judgment
- Easy path testing operation
 - Automated measurement and result saving simply by selection and execution of predefined procedure files
 - Remote control of the device on the other side through measuring line
- Intuitive and responsive GUI
 - Easy to operate with one hand, with the rotary knob, menu key, and operation keys handily on the front-right side
 - Optimized operation system for network path and maintenance testing

■ AQ1100 MULTI-FIELD TESTER OLTS



One of the most basic physical properties of optical fiber cable is its loss characteristic. The basic tools used to measure the loss are a light source and an optical power meter. The AQ1100 is a loss tester set including the both functions in one unit.

FEATURES

- Three models with a different light source
 - [1] SM1310/1550 nm
 - [2] SM1310/1550/1625 nm (to be released)
 - [3] MM850/1300 nm, SM1310/1550 nm
- Optical power meter selections (3 types by use)
 - [1] Standard optical power meter: -70 to +10 dBm
 - [2] High power optical power meter: -50 to +27 dBm
 - [3] PON power meter: Parallel measurement of 1490 and 1550 nm
- Multi-core fiber measuring function by two opposite units
- USB (for saving measurement results to external recording media)
- PING test function (optional)
- Visible light source (optional)

Contact us

To Yokogawa Japan:

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<http://tmi.yokogawa.com/>

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