

AQ2200 Series Optical Power Meter

AQ2200-221 Sensor Module



***With two high-performance sensors in one slot
Ideal for space-saving,
multi-port measurements***

- **Compact:** The AQ2200-221 comes with two high-performance sensors in a module the size of just one slot. Ideal for powerful yet compact systems.
- **High-speed measurement:** 200 μ s (minimum sampling period)
- **Optical connector compatibility:** FC, SC, MU, and LC
- **Can be combined with various AQ2200 series modules or other Yokogawa's optical communication measuring instruments to build versatile measuring systems.**

When purchasing AQ2200 series sensor modules, note the following:

- To use the AQ2200 sensor module, you need to purchase the AQ2201 or AQ2202 frame controller separately.
- For the specifications of the AQ2201/2202 frame controller into which the AQ2200 sensor module is installed, see the bulletins on AQ2201/2202.

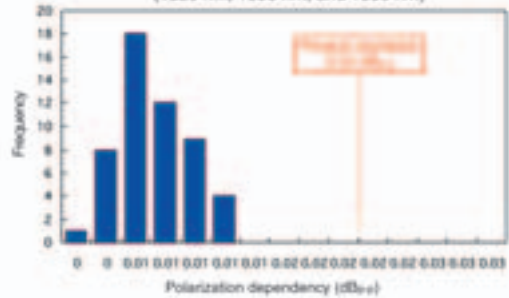
Bulletin AQ2200-221E

High-performance Dual Channel Sensor

The AQ2200-221 is a high-performance yet compact module equipped with two sensors.

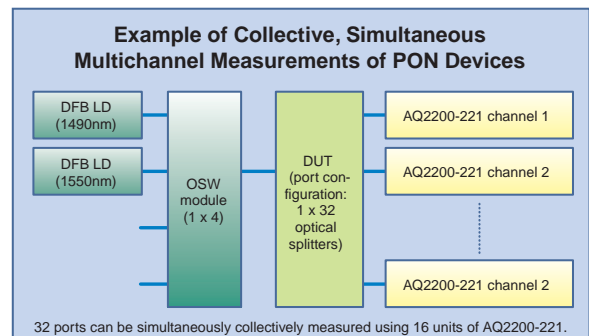
The module offers high-speed sampling, low polarization dependency, and rich data processing capabilities for improved measurement throughput and low-cost multi-port measurement.

AQ2200-221 Polarization Dependency (Typical Example)
(1520 nm, 1550 nm, and 1580 nm)



Examples of Measurement Application

- Simultaneous dual-channel measurement of optical devices
- Simultaneous multichannel measurement using multiple sensor modules



Specifications

Item	Product Specifications
Photoreceptor	InGaAs, 3 mm ϕ
Wavelength range	800 nm to 1700 nm
Power range	CW light: -70 dBm to +10 dBm
Compatible fiber type	$\leq 62.5/125 \mu\text{m}$, NA ≤ 0.275
Uncertainty under the reference conditions	$\pm 3\%$
Total uncertainty	$\pm 5\% \pm 50 \text{ pW}$
Polarization dependency	0.02 dB (typ.)
Linearity	$\pm 0.02 \text{ dB} \pm 50 \text{ pW}$
Noise level	50 pW or less
Averaging time (minimum)	200 μs
Display resolution	1/1,000
Data storage	10,000 data/channel
Optical connector	Select FC, SC, ST, MU, or LC.

Model

Product Name: AQ2200-221 sensor module

Model: 735122-□□

□□ Optical connector adapter

- NON : without optical connector adapter
- FCC : provided with two sets of AQ9335C (FC) and shielding caps as standard
- SCC : provided with two sets of AQ9335C (SC) and shielding caps as standard
- STC : provided with two sets of AQ9335C (ST) and shielding caps as standard
- LCC : provided with two sets of AQ9335C (LC) and dustproof caps as standard
- MUC : provided with two sets of AQ9335C (MU) and dustproof caps as standard

Associated Products

AQ2201 frame controller

Model: 810518900-M
Number of slots: 3
Display unit: color LCD, 320 × 240 pixels
Interface: GPIB, Ethernet, and USB



AQ2202 frame controller

Model: 810518920-M
Number of slots: 9
Display unit: color LCD, 320 × 240 pixels
Interface: GPIB, Ethernet, and USB



CAUTION



If this product is exported outside Japan, export permission may need to be obtained from the Government of Japan under the Foreign Exchange and Foreign Trade Control Law.
Please note that the information contained in this bulletin is subject to change without notice due to performance or quality improvements.

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