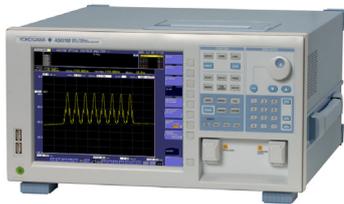
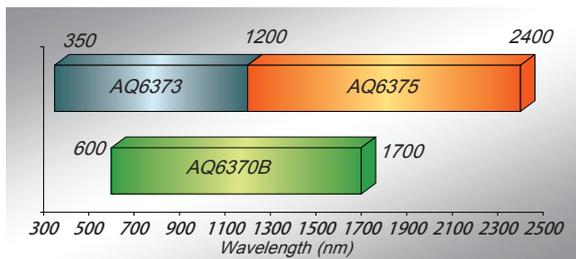


# Optical Spectrum Analyzer AQ6370 Series



AQ6370 Series Optical Spectrum Analyzer



Product Lines of AQ6370 Series

## ■ DRAMATICALLY IMPROVED TEST EFFICIENCY - AQ6370B (STANDARD MODEL) -

The rapid spread of high-speed optical networks has caused a dramatic increase in network traffic. As a result, optical equipment and component makers are increasing their output to meet the demand for strengthened communication infrastructure and facilities. Meanwhile, price competition among communication carriers has intensified and the cost of optical equipment and components needs to be reduced. The AQ6370B is an optical spectrum analyzer which fulfills such requirements of higher test efficiency, reduced cost, and improved productivity.

### FEATURES

- Further improvement of the highest throughput in the industry  
The AQ6370B offers a 50% higher throughput than Yokogawa's earlier AQ6370 model, which was already the highest in the industry.
- Higher measurement accuracy  
The renewed monochromator reduces optical noise near the optical signal wavelength, so the wavelength element of the laser beam can be measured more accurately.
- Inherited strengths of earlier models  
The AQ6370B has the same functions as those of the AQ6370 or AQ6317, including basic functions, operation procedures, screen structure, and remote control commands, making replacement simple.

### SPECIFICATIONS

- Optical performance  
Wavelength range: 600 to 1700 nm  
Wavelength resolution: 0.02 to 2 nm

Wavelength accuracy:  $\pm 0.02$  nm (1520 to 1580 nm)  
 $\pm 0.1$  nm (full range)

Level range:  $-90$  to  $+20$  dBm

Dynamic range: 62 dB or more

- Throughput: (compared with AQ6317 series)  
Up to 10 times faster measurement  
Up to 100 times faster data transmission and key & command response
- Interface  
USB: Memory, mouse, keyboard  
GP-IB/RS-232/Ethernet: Remote control

## ■ COVERING ENTIRE VISIBLE LIGHT SPECTRUM - AQ6373 (SHORT-WAVELENGTH MODEL) -

The visible light spectrum (between 380 nm and 780 nm) is widely used in medical care, biotechnology, materials processing, and home electronics. In recent years, there has been active research and development on high-efficiency, high-performance products which use semiconductor lasers and wavelength conversion technologies developed for communications. Thus, there is growing demand for high-performance optical spectrum analyzers capable of evaluating and analyzing the optical spectrum of such products. To satisfy this demand, Yokogawa has developed the AQ6373.

### FEATURES

- High wavelength resolution and measurement sensitivity  
The AQ6373 has a high wavelength resolution and a wide close-in dynamic range. Furthermore, it has a minimum optical spectrum sensitivity of  $-80$  dBm, enabling a high signal-to-noise ratio (SNR) when measuring spontaneous emissions from semiconductor lasers.
- Fast measurement, excellent operability, and easy maintenance  
Yokogawa's proprietary technology enables measurement every 1 second or less over a 100-nm wavelength range. Furthermore, the AQ6373 comes with automatic optical alignment and wavelength calibration functions that facilitate maintenance and operability.

### SPECIFICATIONS

- Optical performance  
Wavelength range: 350 to 1200 nm  
Wavelength resolution: 0.02 to 10 nm  
Wavelength accuracy:  $\pm 0.05$  nm (633 nm)  
 $\pm 0.2$  nm (400 to 1100 nm)  
Level range:  $-80$  to  $+20$  dBm  
Dynamic range: 60 dB or more
- Functions and operability compatible with the AQ6370B

Contact us

To Yokogawa Japan:

<https://y-link.yokogawa.com/YL000.po>

Please also visit the below for more product information.

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

For worldwide locations, please refer to the reverse side of the back cover.