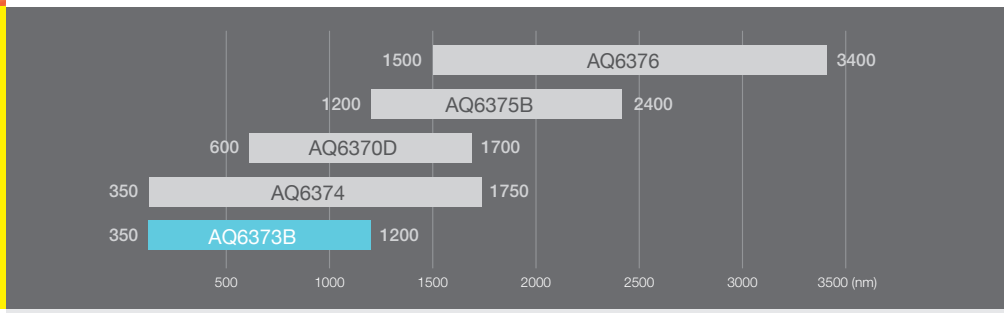
YOKOGAWA

AQ6373B
The OSA for applications in VIS + NIR regions

Precision Making



Optical Spectrum Analyser - AQ6373B

The AQ6373B can accelerate the development and manufacturing of short wavelength lasers and LEDs as well as equipment that uses these sources for biomedical, material processing, consumer electronic products and telecommunication applications using multi-mode or even plastic optical fibres.

World class optical performance and unique characteristics

10 wavelength resolution settings: from 10 nm down to 10 pm

To enable the user to choose the best value according to the characteristics of the device or system under test.

7 level sensitivity settings: from -55 dBm down to -80 dBm

To set the instrument according to the test application and measurement speed requirements.
Taking advantage of the very high sensitivity, low power optical signals can be measured accurately and quickly, without any need to use averaging over many measurements.

An incredibly wide measurement power range: 100 dB

The high quality photodetector and the smart design of the gain circuitry enable the AQ6373B to measure very weak signals with great accuracy and also very strong ones without getting damaged.

High close-in dynamic range: 60 dB

Thanks to the sharp spectral characteristics of the AQ6373B monochromator, signals in close proximity can be clearly separated and accurately measured.

High wavelength accuracy: up to ± 0.05 nm

Wavelength calibration is possible using an external reference source and the built-in Wavelength Calibration function.

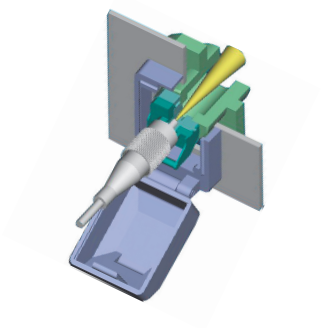
Fast measurement: only 0.5 sec for 100 nm span

With sensitivity set to NORM_AUTO (-60 dBm).

Special free space optical input

The unique optical input of the AQ6373B is not only able to accept standard SM and MM fibres but also fibres with large cores with diameters up to 800 µm.

Free space optical input



The optical input structure designed for the AQ6370 Series is the most effective to guarantee high coupling efficiency, measurements repeatability and zero maintenance.
The free space optical input is, in fact:

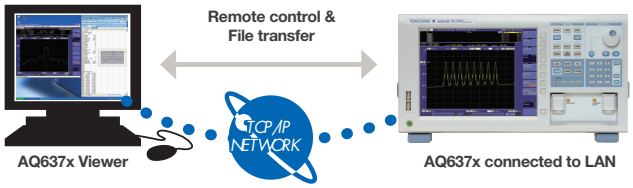
Dual purpose: accepts both SM and MM (up to 800 µm core diameter) fibres without the high insertion loss due to the mismatch between MM and SM fibres

Versatile: accepts both /PC and /APC connectors

Worry-free: no internal fibre can be scratched by inaccurate coupling of fibres

Maintenance-free: no internal fibre can get dirty

AQ6370 Series Viewer



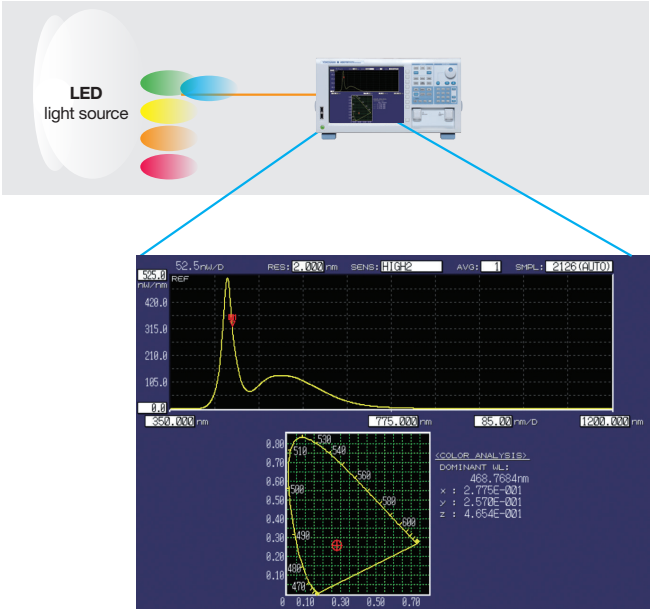
Real-time remote control
With the AQ6370 Series Viewer, a software package which replicates the instrument's screen, you can:

- remotely control and operate with the instrument;
- transfer the data acquired by the OSA and display and analyse on your remote PC.

12 Built-in analysis functions

- Colour
- Spectral Width
- DFB-LD
- FP-LD
- LED
- Notch Width
- SMSR
- PMD
- Optical Power
- Optical Filter
- OSNR
- Go/No-Go Judgment

The colour analysis function enables the AQ6373B to evaluate the dominant wavelength and to show the chromatic coordinates of the light source under test.



Built-in source for optical alignment

Using the internal light source, the Optical Alignment function automatically aligns the optical path in the monochromator to assure the level accuracy.

The AQ6370 OSA Series delivers:

Reliability – The most trusted OSAs in the world thanks to their unmatched measurement accuracy, robustness and proven quality.

Performance – Best in class, state of the art and high-precision instruments that keep pace with the ever changing and fast evolving optical technology.

Expertise – For more than 30 years our R&D and product specialist teams have been listening to the needs of OSA users to continuously provide them with innovative and effective solutions for their measuring challenges.

Yokogawa Europe B.V.
Euroweg 2, 3825 HD Amersfoort
The Netherlands
Tel. +31 88 464 1429
Fax +31 88 464 1111
tmi@nl.yokogawa.com

tmi.yokogawa.com