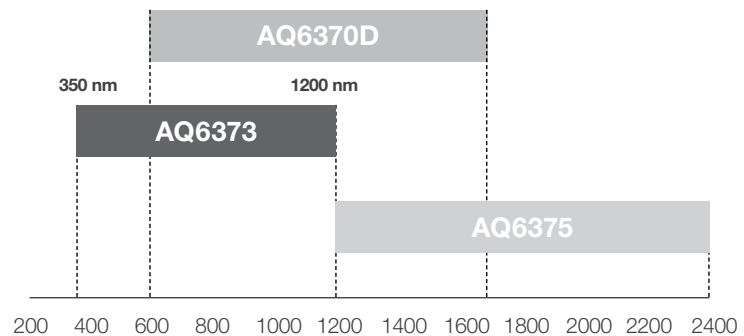


AQ6373

The OSA for applications in VIS + NIR regions



Precision Making



Optical Spectrum Analyser - AQ6373

The AQ6373 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 plastic optical fibres.

World class optical performance and unique characteristics

10 wavelength resolution settings: from 10nm to 10pm

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 AQ6373 to measure with great accuracy very weak and very strong signals as well, without being damaged.

High close-in dynamic range: 60 dB

Thanks to the sharp spectral characteristics of the AQ6373 monochromator, signals in close proximity can be clearly separated and accurately measured.

High wavelength accuracy: up to ± 0.05 nm

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

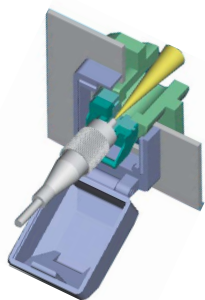
Fast measurement: only 0.5 sec for 100 nm span

With sensitivity set to NORM_AUTO (-60 dBm).

Special free space optical input

The AQ6373 mounts a unique optical input able to accept, apart the standard SM and MM fibers, also large core fibers with core diameter up to 800 μm .

The free space optical input

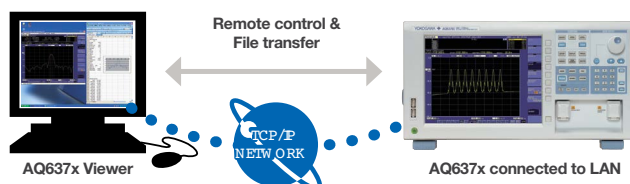


The optical input structure designed for the AQ6370 Series is the most effective to guarantee high coupling efficiency, measurements repeatability and no maintenance.

The free space optical input is, in fact:

- Dual purpose:* accepts both SM and MM (up to 800 μm core diameter) fibers without the high insertion loss due to the mismatch between MM and SM fibers
- Versatile:* accepts both /PC and /APC connectors
- Worry-free:* no internal fiber can be scratched by inaccurate coupling of fibers
- Maintenance-free:* no internal fiber can get dirty

The AQ6370 Series Viewer



Real-time remote control

With the AQ6370 Series Viewer, a software package which replicates on your PC the instrument's screen, you can:

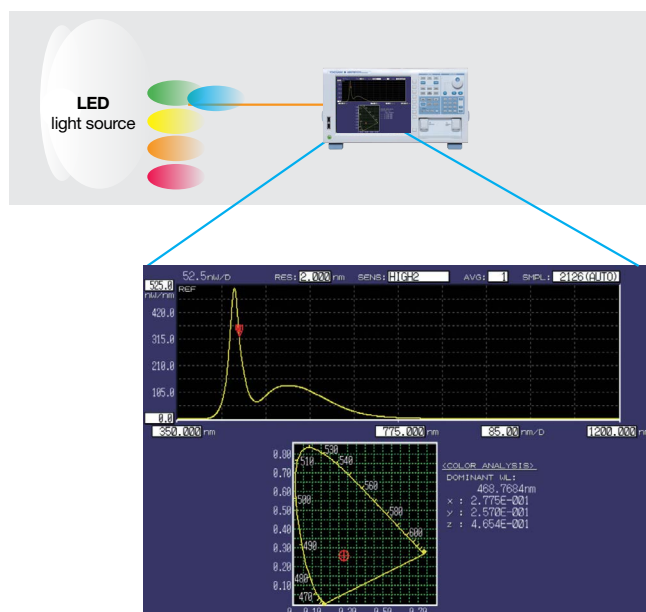
- ✓ remotely control and operate with the instrument;
- ✓ display, analyse and transfer the data acquired by the instrument on your remote PC.

12 Built-in analysis functions in AQ6373

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

The color analysis function

Enables the AQ6373 to evaluate the dominant wavelength and to show the chromatic coordinates of the light source under test.



The 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.

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