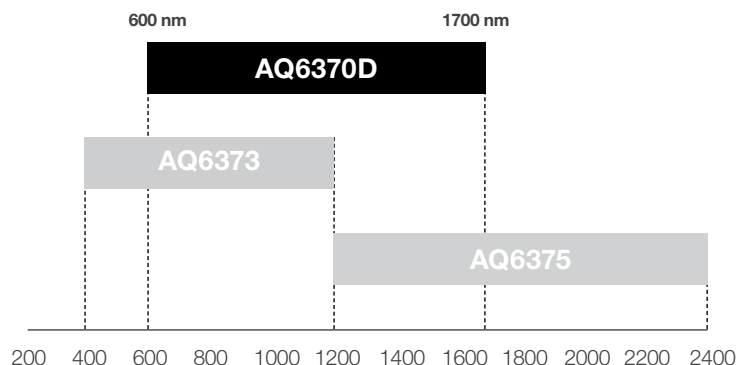
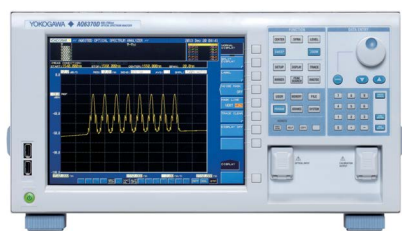


AQ6370D

The OSA market leader in the telecom Industry



Precision Making



Optical Spectrum Analyser - AQ6370D

Its flexibility in parameters' setting and its unmatched optical performance make the AQ6370D model the best choice for R&D and Production of optical communication devices.

World class optical performance and unique characteristics

7 wavelength resolution settings: from 2nm down to 20pm

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 -60 dBm down to -90 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: 110 dB

The high quality photodetector and the smart design of the gain circuitry enable the AQ6370D to measure with great accuracy very weak and very strong signals as well, without being damaged.

An unmatched close-in dynamic range: up to 78 dB

Thanks to the sharp spectral characteristics of the AQ6370D monochromator, signals in close proximity can be clearly separated and accurately measured.

High wavelength accuracy: up to ± 0.01 nm

Easily maintained thanks to the built-in Calibration function and wavelength reference source (optional).

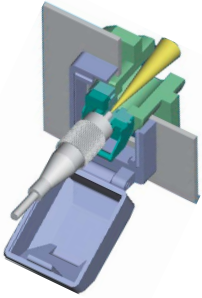
Fast measurement: only 0.2 sec for 100 nm span

With sensitivity set to NORM_AUTO (-60 dBm).

Double Speed mode

Increases the sweep speed up to 2 times compared to the standard sweep mode, with only a 2 dB penalty on the selected standard sensitivity value.

The free space optical input

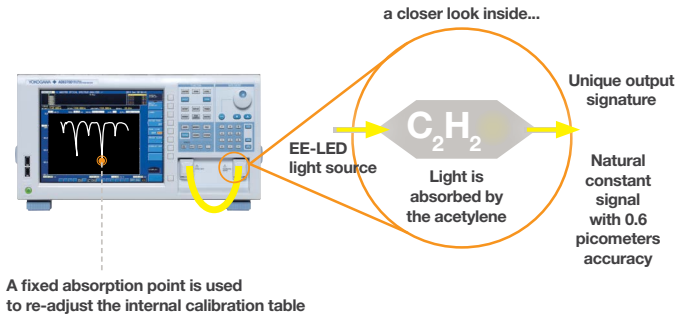


The optical input structure designed for the AQ6370 Series is the most effective to guarantee high coupling efficiency, measurements repeatability and no maintenance.

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

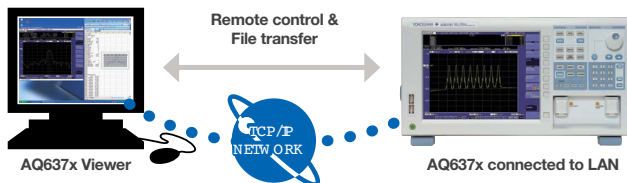
The built-in calibration source



Ambient temperature change, vibrations and shocks affect the measurement accuracy of high precision instruments. We want our OSAs to be able to deliver always the precise measurements they were designed for, therefore our instruments are equipped with a light source for calibration. Calibration process is fully automatic and takes only 2 minutes to complete. It includes:

- ✓ The Optical Alignment function, which automatically aligns the optical path in the monochromator to assure the level accuracy;
- ✓ The Wavelength Calibration function, which automatically calibrates the spectrum analyser with the reference source to ensure the wavelength accuracy.

The AQ6370 Viewer



Real-time remote control

With the AQ6370 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 AQ6370D

- | | |
|---------------------------|---------------------|
| ✓ WDM (OSNR) | ✓ Notch Width |
| ✓ Optical Fiber Amplifier | ✓ SMSR |
| ✓ DFB-LD | ✓ PMD |
| ✓ FP-LD (VCSEL) | ✓ Optical Power |
| ✓ LED | ✓ Optical Filter |
| ✓ Spectral Width | ✓ Go/No-Go Judgment |

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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