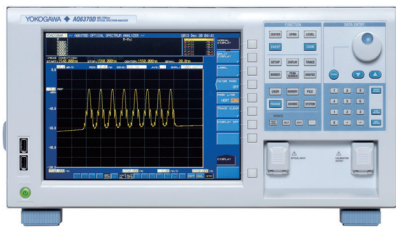
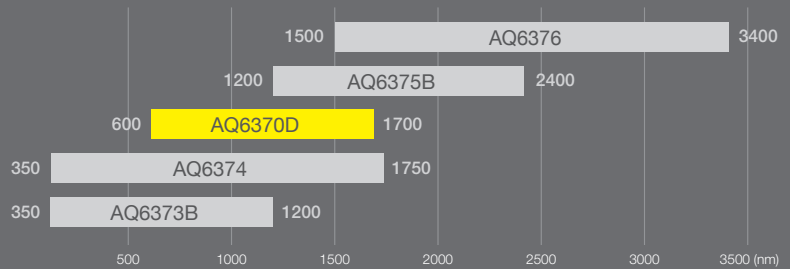


AQ6370D

The OSA market leader in the telecom Industry

Precision Making



Optical Spectrum Analyser - AQ6370D

Its flexibility in parameter setting and 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 2 nm down to 20 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 -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 very weak signals with great accuracy and also very strong ones without getting 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).

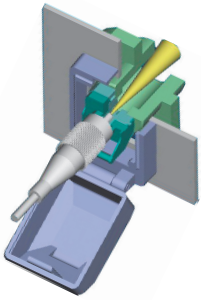
Fast measurement: only 0.2 sec for 100 nm span

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.

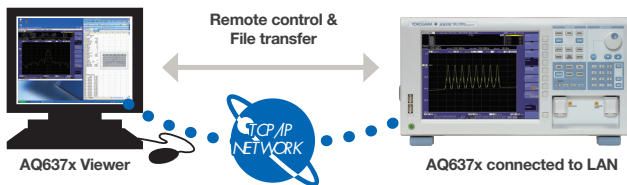
Free space optical input



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

- Dual purpose:* accepts both SM and MM fibers 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 Viewer



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

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

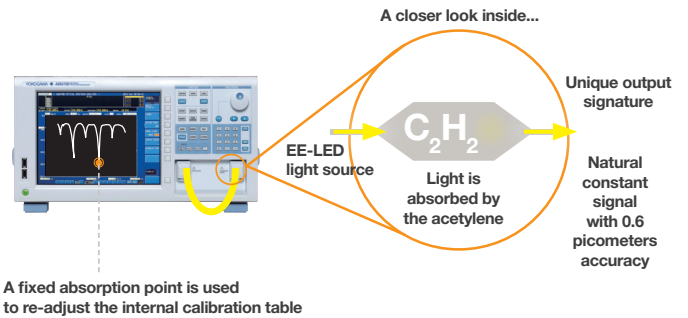
The AQ6370 OSA Series delivers:

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.

Built-in calibration source



Vibration, shock and changes in ambient temperature affect the measurement accuracy of high precision instruments. We want our OSAs to be able to always deliver the precise measurements they were designed for, therefore our instruments are equipped with a light source for calibration. The calibration process is fully automatic and only takes 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.

12 Built-in analysis functions

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

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