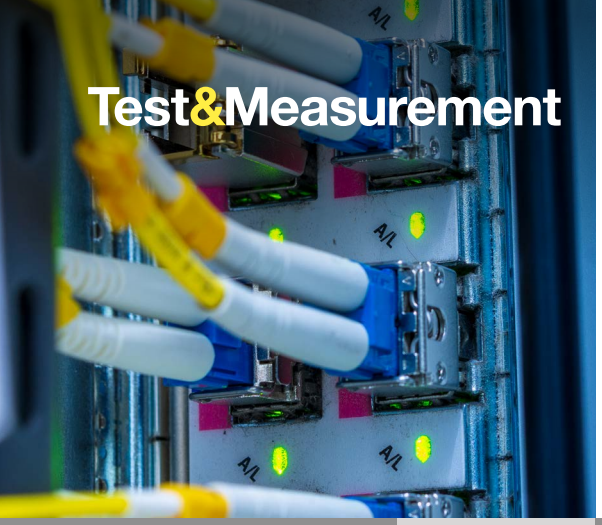
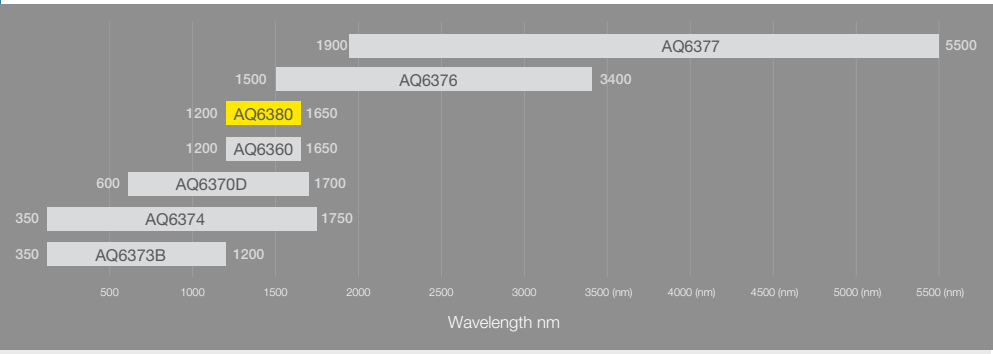


YOKOGAWA

AQ6380
Optical Spectrum Analyzer

Next generation optical performance



The AQ6380 offers unparalleled optical performance with an eye to the future of Telecommunication applications: improved accuracy and wavelength resolution, faster measurement speed, pre-configured application testing and a new design of the front provides an intuitive large high-resolution touchscreen.

The world's first OSA which is sharper, deeper, and more precise

Wavelength range: from 1200 nm to 1650 nm
Covers wavelength the often used for optical components in telecommunication applications.

Wavelength accuracy up to ± 5 pm
Accuracy of ±5 pm in the C band, ±10 pm in the S and L bands and ±50 pm over the entire wavelength range.

9 wavelength resolution settings: from 5 pm to 2 nm
The advanced monochromator with a wavelength resolution of 5 pm enables the detection of spectral signals which are in close-proximity.

Expanding sensitivity settings from -85 dBm to +20 dBm and add extra mode for up to 20x faster measurements
With 2 modes and 19 sensitivity settings, measurement time can be shortened by selecting the optimum sensitivity according to the type of optical signal and the minimum sensitivity requirement.

TRAD-mode:
traditional sensitivity mode for CW light and pulsed light

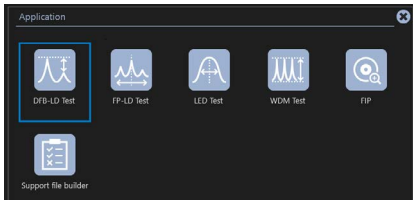
RAPID-mode (new):
Sensitivity mode for fast measurement, specialized for CW light

Close-in Dynamic range of 65dB
The sharp spectral characteristics of the monochromator, makes it able to distinguish a small spectral component from a large spectral component

Automated wavelength calibration maintains high accuracy
Wavelength calibration with the internal light source can be performed fully automatically and regularly without an external fiber cord.

Large touchscreen makes device operation even simpler and more intuitive.
You can change measurement conditions, perform analysis, change the optical spectrum view as if you were operating a tablet device.

Application-oriented test apps simplifies the test process
For easier measurement setup the AQ6380 has an application menu with frequently-used testing applications.

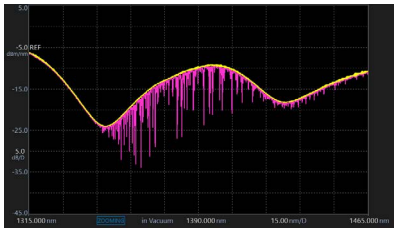


Built-in analysis functions eliminate post-processing tasks
Built-in analysis functions to automatic calculation of the major parameters of the device under test.

- DFB-LD
- FP-LD
- LED
- Spectral width (peak/notch)
- SMSR
- Optical power
- WDM (OSNR)
- EDFA (Gain and NF)
- Filter (peak/bottom)
- WDM filter (peak/bottom)

Single mode fiber input
Using a single mode fiber input achieves light reflection attenuation of 30 dB or more and reduces the impact on measurements of reflection-sensitive optical devices.

Gas purging mechanism for minimizing the water vapor absorption
The monochromator of AQ6380 is equipped with a closed-loop circuit for air purging. Continuous circulation of pure purge gas, reduces water vapor inside the monochromator and realizes true optical spectrum measurements.



OSA Viewer enables emulation and remote control via a PC
Emulate and remote control the AQ6380 using PC application software called the OSA viewer.

Backward compatible remote interface for easy upgrade of test system
It is easy to build an automated measurement system using an Ethernet or GP-IB.
Remote command set conforms to SCPI compatible with AQ6370 series and AQ6319 as well as proprietary AQ6317-compatible commands.

Why choose the AQ6380?

Performance – Excellent optical wavelength resolution, accuracy and close-in dynamic range specifications allow optical signals in close-proximity to be clearly separated and accurately measured.

Productivity – Smart technology and functionality such as an intuitive touchscreen, automated wavelength calibration, optimized sweep speed and dedicated application setup menus allow users to operate the OSA efficiently to keep pace with the ever-evolving optical technology.

Expertise – For more than 40 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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