

Selection guide

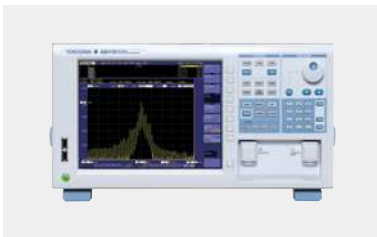
The AQ6370 series are high-speed and high-performance Optical Spectrum Analyzers employing the dispersion spectroscopic system. They satisfy measurement needs of a wide range of R&D and industrial manufacturing applications with the product lineup of five models covering the broad wavelength range from visible light to mid-infrared (350 to 3400 nm).



AQ6370D The high-performance model well suited for wavelengths for optical communications

Optical communications

- Wavelength range: 600 to 1700 nm
 - Wavelength accuracy: ± 0.01 nm (high-performance model)
 - Wavelength resolution setting: 0.02 to 2 nm
 - Level range: +20 to -90 dBm
 - Close-in dynamic range: 78 dB typ. (peak ± 1.0 nm, high-performance model)
- <Applications>
- Emission spectrum evaluation of optical transceivers and LD modules
 - OSNR measurement of WDM transmission signals
 - Optical amplifier (EDFA) measurement



AQ6373B The high-performance model optimized for visible light measurement

VIS

- Wavelength range: 350 to 1200 nm
 - Wavelength accuracy: ± 0.05 nm
 - Wavelength resolution setting: 0.01 to 10 nm
 - Level range: +20 to -80 dBm
 - Close-in dynamic range: 60 dB (peak ± 0.5 nm)
- <Applications>
- Characterization of laser light sources used in the of biomedical and consumer products fields
 - Color analysis of visible LED



AQ6374 The wide range model covering from visible light to communications wavelength

VIS & optical communications

- Wavelength range: 350 to 1750 nm
 - Wavelength accuracy: ± 0.05 nm
 - Wavelength resolution setting: 0.05 to 10 nm
 - Level range: +20 to -80 dBm
 - Close-in dynamic range: 60 dB (peak ± 1.0 nm)
- <Applications>
- Wavelength loss characteristics of optical fibers
 - Characterization of broadband light sources
 - Characterization of lasers from visible light to optical communications wavelengths



AQ6375B The Long wavelength model covering exNIR region over 2 μ m

exNIR

- Wavelength range: 1200 to 2400 nm
 - Wavelength accuracy: ± 0.05 nm
 - Wavelength resolution setting: 0.05 to 2 nm
 - Level range: +20 to -70 dBm
 - Close-in dynamic range: 55 dB (peak ± 0.8 nm)
- <Applications>
- Characterization of sources used in laser Absorption Spectroscopy
 - Characterization of broadband light sources such as Supercontinuum light sources
 - Absorption spectrum measurement of gas



AQ6376 The Long wavelength model covering MWIR region over 3 μ m

MWIR

- Wavelength range: 1500 to 3400 nm
 - Wavelength accuracy: ± 0.50 nm
 - Wavelength resolution setting: 0.1 to 2 nm
 - Level range: +13 to -65 dBm
 - Close-in dynamic range: 55 dB (peak ± 2.0 nm)
- <Applications>
- Characterization of sources used in laser Absorption Spectroscopy
 - Characterization of broadband light sources such as Supercontinuum light sources
 - Absorption spectrum measurement of gas