



Maya2000 Pro

Deep UV Spectrometer

Maya2000 Pro Spectrometers are a great choice for applications requiring high sensitivity, good UV-NIR response and wide dynamic range. Applications range from low light fluorescence and Raman measurements to absorbance, transmission and emission analysis.

Each Maya2000 Pro has a back-thinned 2D FFT-CCD detector in a robust, configurable optical bench with low-noise electronics and low-jitter triggering capabilities. Accessory and bench options allow users to optimize systems for setups ranging from the vacuum VUV (as low 165 nm) to the VIS-NIR (especially in the region <780 nm).





At a Glance

Size: 149 mm x 109.3 mm x 50.4 mm

Weight: 0.96 kg (without power supply)

Wavelength range: (165-1180 nm, detector and grating-specific)

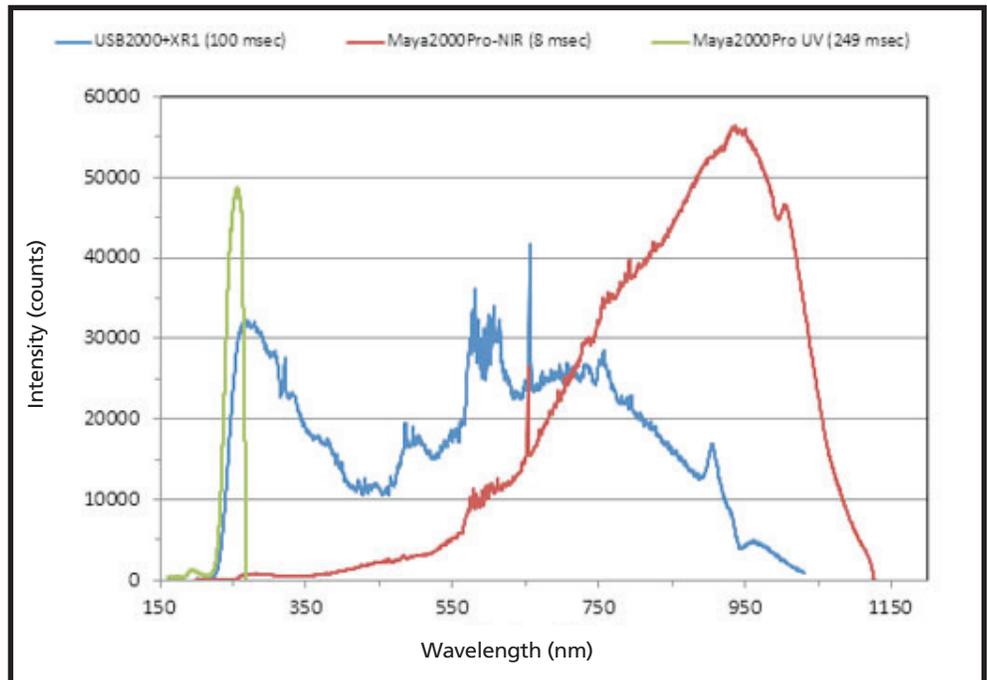
Signal-to-noise ratio: ~450:1

Dynamic range: 15000:1 (typical)

Integration time: 7.2 ms-5 seconds

High Sensitivity, Great UV Response.

Maya2000 Pro has very good response across the UV and is a great choice for vacuum ultraviolet applications such as analysis of semiconductor materials, measurement of biological samples and noble gases, and determination of chemical elements such as sulfur.



This graph shows the spectral response of Maya2000 Pro spectrometers configured with both UV-VIS (S10420) and VIS-NIR (S11510) back-thinned CCD detectors. Also, the graph includes spectral response of our USB2000+XR1, which has a front-illuminated CCD detector.

Features

- High-sensitivity detector with great quantum efficiency
- Available in versions optimized for UV-VIS and VIS-NIR response
- Ideal for low light applications such as fluorescence
- Configurable for vacuum UV (<190 nm) applications
- Triggering functions for synchronizing spectrometer to other devices



Learn more online at www.oceanoptics.com

Contact an Ocean Optics Application Scientist for details and pricing



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