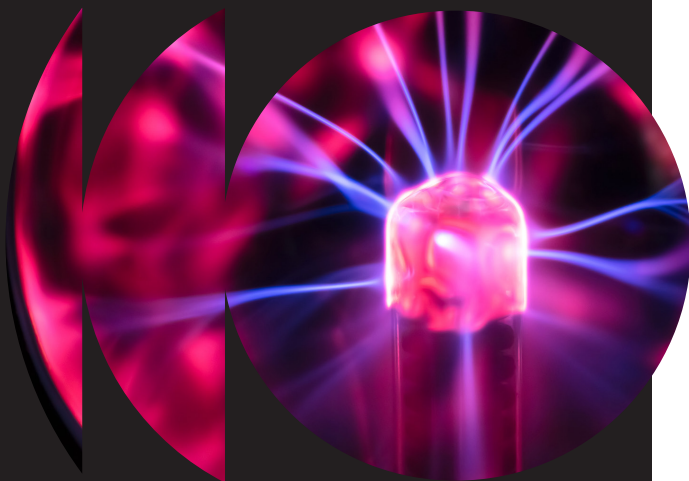


## High Performance Spectrometer

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 a variety of setups.



## At a Glance

**Size:** 148.6 mm x 109.2 mm x 49.3 mm  
(including feet)

**Weight:** 0.96 kg  
(without power supply)

**Spectral range (detector response):**  
~165-1100 nm

**Signal-to-noise ratio:** ~450:1

**Dynamic range:** 15000:1 (typical)

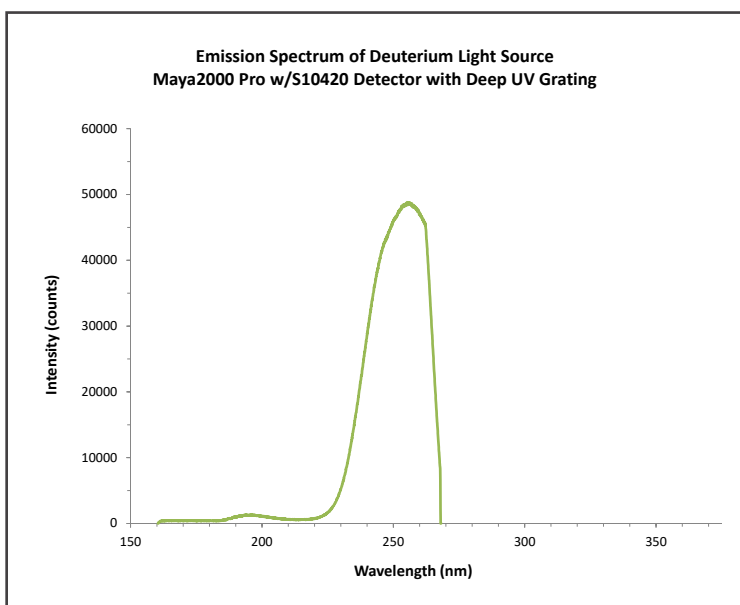
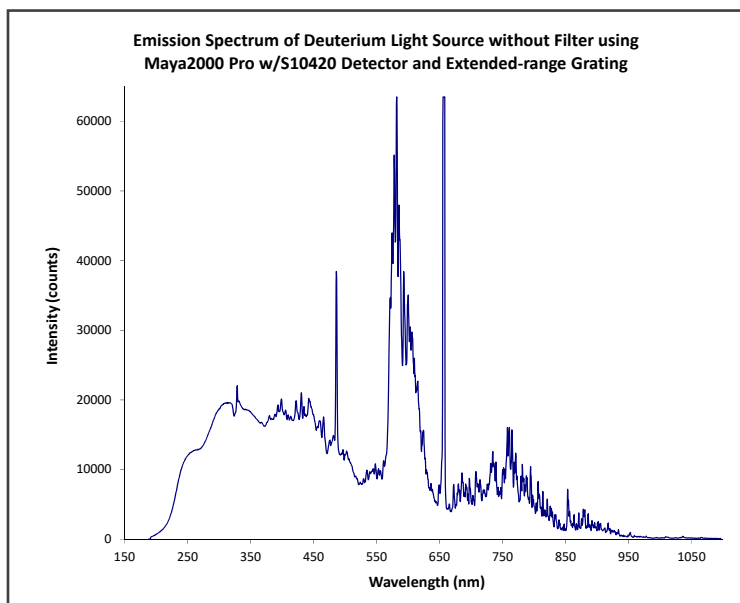
**Integration time:** 7.2 ms-5 seconds

Configurable for vacuum UV  
(<190 nm) applications

## 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.

The Maya2000 Pro is versatile, with multiple gratings and optical bench accessories available. You can optimize setups for UV-Visible measurements (top graph) or take advantage of the Maya2000 Pro's native detector response for deep UV analysis.



Maya2000 Pro configured for the vacuum UV