

# Maya2000 and Maya2000Pro

## Data Sheet

### Description

The Ocean Optics Maya2000 Series Spectrometers (Maya2000 and Maya2000Pro) includes the linear CCD-array optical bench, plus all the circuits necessary for spectrometer operation. The result is a compact, flexible system, with no moving parts, that's easily integrated as an OEM component.



The Maya spectrometers are a unique combination of technologies providing users with high sensitivity for low light-level, UV-sensitive and other scientific applications. The electronics have been designed for considerable flexibility in connecting to various modules as well as external interfaces. The Maya interfaces to PCs, PLCs and other embedded controllers through a USB 2.0 connection. The information included in this data sheet provides detailed instructions on the connection and operation of both of the Maya spectrometers.

The detector used in the Maya spectrometer is a scientific-grade, back-thinned, CCD array from Hamamatsu (product number S9840 for Maya2000 and S10420 for Maya2000Pro). For complete details on these detectors, visit [www.Hamamatsu.com](http://www.Hamamatsu.com).

The Maya operates from power provided through the USB, or from a separate + 5VDC power supply. The Maya is a microcontroller-controlled spectrometer, thus all operating parameters are implemented through software interfacing to the unit.