

*The SPM-002 is the most versatile spectrometer in the Photon Control product line. It is now available with a Hamamatsu S9840 back-thinned CCD detector for very high UV sensitivity.*

### Description:

It also has a dynamic range of 5200:1 and 16-bit A/D converter resolution. It uses a proprietary optical design to achieve a higher resolution than other spectrometers of the same size on the market. Our spectrometers are the only ones equipped with an internal DSP chip. This DSP is capable of handling complex signal processing tasks. It also boasts powerful software based on Labview which can be easily integrated into existing software using one of our development kits.

The SPM-002 works extremely well with the SPL family of light sources and other accessories available at Photon Control.

### Applications:

- Plasma Monitoring
- Laser characterization and tuning
- Biophotonics
- Quantum Dot Analysis
- Thin film thickness measurement
- Reflectance, Transmission, Absorption
- Gas analysis
- Molar Concentration
- Optical Inspection
- Chemical Analysis
- Fluorescence
- Sensors

Visit [photon-control.com](http://photon-control.com) for more details.



### Features:

- *Compact size and 2048 pixels for high resolution*
- *Feature rich software interface including data logging and beam profiling which can be user integrated using software Development Kits for Labview, Visual C++ and Visual Basic*
- *Convenient USB 2.0 High Speed Interface Visual Basic*
- *16 - bit A / D converter*

