


Instrument title:	ThorLabs SP1 fiber optic spectrometer
Photo:	
Technical details:	<p>The Thorlabs SP1 is a low cost fiber optic spectrometer (400-800 nm) that connects directly to the parallel port of your computer. The SP1 includes an interface box which connects the spectrometer head to the parallel port of your PC. The optical system is a very compact Czerny-Turner grating spectrometer using an SMA connectorized fiber input and a linear CCD array as the output. The system comes from the factory fully calibrated, but a user-friendly calibration routine is built in to allow for quick, on-site calibration using any standard emission spectrum source. Integrated routines allow for averaging, smoothing, saving and recalling. The "peak finder" function allows instant identification of your spectrum.</p> <ul style="list-style-type: none"> • ILX526A - 3000-pixel CCD Linear Image Sensor (BW) • Update Speed: >70Hz • Integration Time: 1μs-200ms • Compact Size (2.7" X 3.8" X 1.6") • SMA 905 Fiber Input • Better Than 3nm Resolution • Easy On-Site Calibration • Software With "Peak Finder"/Smoothing/Averaging/Save & Recall • Windows 3.1/95/98/NT/2000 Compatible
Application example:	Source light and luminescence measurements.
Responsible: (name, second name, e-mail)	Aleksejs Kuzmins (a.kuzmin@cfi.lu.lv)