



## **Monochromator assembly for Spectrum responds\Quantum efficiency\IPCE measurement**

This model consists of the parts following it.

**Secondary focusing lens** mounted to the light source to match the F number of the Monochromator.

**Light shield** from the Light source to the monochromator.

**Imaging monochromator** with micrometer driven entrance and exit slits.

**300 line per mm 1200l/mm grating** for the monochromator.

**Order sorting filter** that will be mounted in follow 3 position slides.

**Light shield** from the monochromator exit slit to the fiber adapter.

**Focus lens assembly** will focus the light from the exit of the monochromator to the liquid light guide.

**Three position slide** that will house the shutter and order sorting filter.

**Fiber holder** allow for X-Y-Z adjust of the fiber.

**Liquid light guide** will transmit light over the whole range of 360 nm to 1100 nm.

**Dual channel DLD detection** system. Dual channel monitor light from the source on one leg of the fiber and the other channel monitor photocurrent.

The **software** to control monochromator and DLD. Data are captured by PC driven software.

This data can be exported as **ASCII to Excel** or other analysis software.

**10 x 10 mm calibrated Si detector** that will connect to the DLD. The calibration range is 350 nm to 1100 nm in 10 nm steps.

**Base plate** to match the optical height of the monochromator and the light source

**Excel version Spectrum response analysis.**