

200mm Vacuum Monochromator & Spectrograph



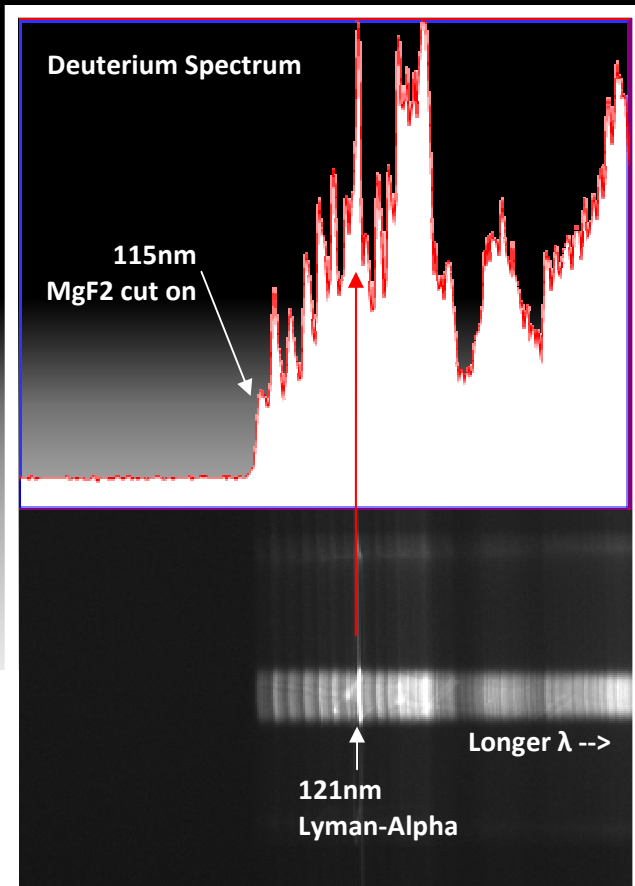
New and improved 200mm focal length monochromators offer high performance in a compact, easy to use package. And now they are 100% compatible with PIXIS™ CCD cameras. Fast sensitive PIXIS™ detectors from Princeton Instruments accelerate data acquisition of extreme and vacuum ultraviolet spectra.

High vacuum and UHV models available.

Features	Benefits
CCD compatibility for spectrograph operation	Fast, easy data acquisition of spectral data in the extreme and vacuum UV
MCP compatibility for gating in the EUV	Open MCP intensifiers provide gating capability (time resolution) in the extreme and vacuum UV
High vacuum operation	Internally welded, clean construction with Viton™ seals for 10E-6 tor. UHV (10E-10 torr) available.*
Kinematic grating mount	Easy to change kinematic single grating holder. Dual (2) grating turret optional.*
High performance sine drive system	Sine drives provide best wavelength reproducibility, RS232 and USB included
EUV, VUV, UV and Vis gratings available	A variety of diffraction gratings are available delivering best efficiency for <u>your</u> application
Optional multiple port configurations	One input and one output port standard; versions with additional in- or output ports available.*

***Please inquire or call to consult so we can quote the instrument setup that best meets your needs**

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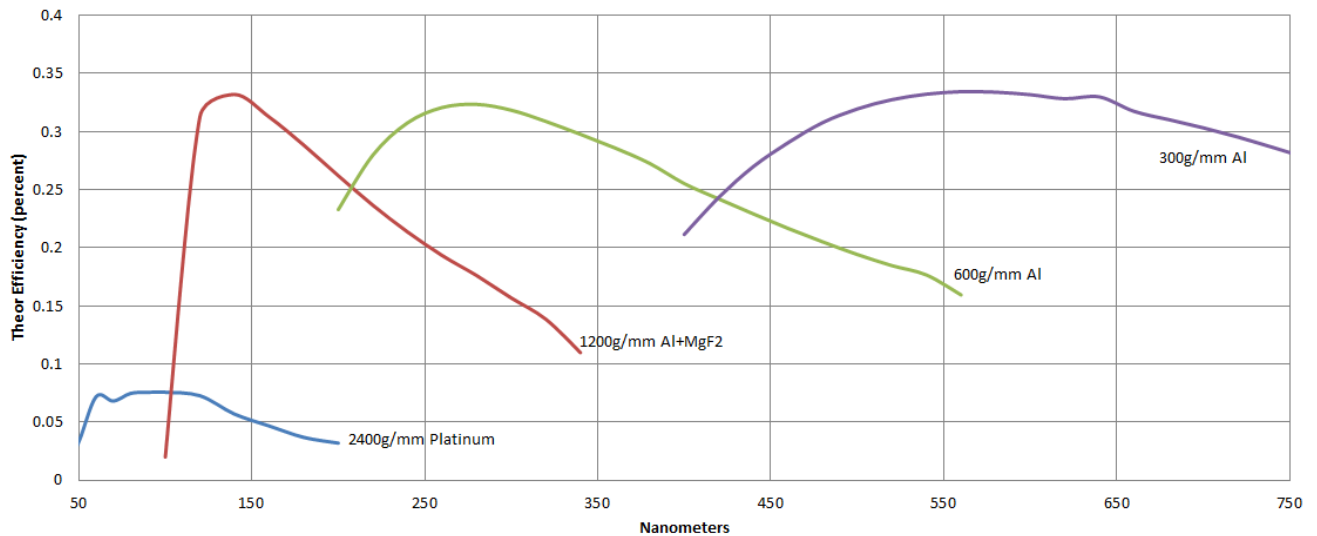


Specifications	
Focal Length	200 mm
Aperture Ratio	f/4.5
Linear Dispersion*	3.7 nm/mm
Resolution (fwhm)*	0.1 nm
Accuracy*	±0.1 nm
Repeatability*	±0.05nm
Stray Light	10E-5
Vacuum Range	5*10E-6 torr
Optical Design	Concave Holographic
Focal Plane	25 mm (front port)
Scan Range*	0 – 550 nm
Grating Size	40 x 45 mm
Grating Mount	Kinematic single
Grating Turret**	Optional
UHV Construction**	Optional 10E-10 torr
Angle between Ports**	64° or 180°
Port Possibilities	3
Drive Step	0.00005 nm
Adjustable Slits	0.01 to 3mm
Optical Axis Height	175 mm
Weight	15 kg
Computer Interface	RS232 or USB

*Using 1200g/mm grating

**Please inquire

Grating Selection



Contact us today to learn more about monochromators and spectrographs for the vacuum ultraviolet, extreme UV and soft x-ray wavelength region. We also have calibration sources, detectors, sample chambers, collimators and telescopes for the VUV.