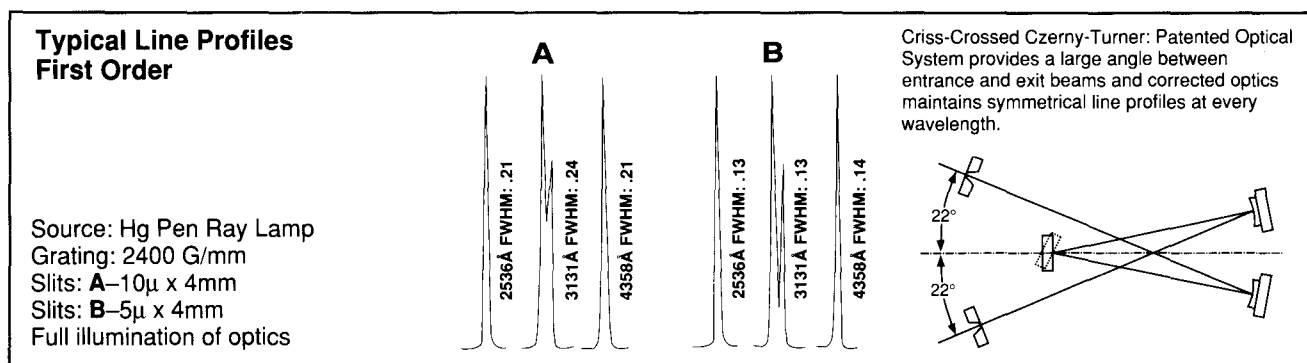


- Patented "SNAP-IN" grating
- Patented Criss-Crossed optical design
- Lightweight vacuum-tight aluminum housing
- Low scattered light
- Aspheric collimating and focusing mirrors
- Operates in any attitude

JUL 23 1990



## Specifications

Focal Length	0.3 meter Monochromator with patented "SNAP-IN" grating and patented criss-cross optical design.								
Angle Between Entrance and Exit Beams	44°								
f/No.	5.3								
Wavelength Range	105nm to 60 $\mu$ m								
Wavelength Accuracy	0.1nm (with 1200 G/mm grating)								
Wavelength Reproducibility	± 0.005nm (with 1200 G/mm grating)								
Grating Ruled Area	50 x 50mm								
Camera Attachment Accepts	35mm film cut 16mm long								
Grating (G/mm)*	2400	1200	600	300	150	75	50	20	
Wavelength Range	From 105nm	105nm	105nm	105nm	105nm	105nm	105nm	105nm	105nm
	To 500nm	1.0 $\mu$ m	2.0 $\mu$ m	4.0 $\mu$ m	8.0 $\mu$ m	16.0 $\mu$ m	24.0 $\mu$ m	60.0 $\mu$ m	
First Order Littrow Blaze	150nm 300nm	150nm 200nm 300nm 500nm 750nm	150nm 300nm 500nm 1.0 $\mu$ m 1.6 $\mu$ m	1.0 $\mu$ m 2.0 $\mu$ m 3.0 $\mu$ m	2.0 $\mu$ m 6.0 $\mu$ m	8.0 $\mu$ m 12.0 $\mu$ m	18 $\mu$ m	45 $\mu$ m	
Resolution (nm) at 313.1nm	0.03	0.06	0.12	0.24	0.48	0.96	1.44	3.6	
Dispersion (nm/mm)	1.3	2.6	5.3	10.6	21.2	42.4	63.6	159	
Wavelength Range at Focal Plane (nm)	20	40	80	160	320	640	960	2400	

\*other gratings available