**SPECIFICATIONS**

Focal length ................. 200mm

Aperture ..................... F/4.2

Grating ....................... 40x45mm, type IV, aberration-corrected, concave holographic

Stray light ................... $10^{-5}$ at 8nm from 6328-Å laser line with 0.25-mm slits. Less than 0.5% integrated stray light at 230 nm with 150-W xenon source and 270-nm cutoff filter.

Wavelength readout ........... 3-digit counter; each unit divided into fifths by tick marks.

Reproducibility ............... ±0.4mm

Dimensions .................... 340 x 160 x 86mm; 13.4 x 6.3 x 3.4i

Weight ......................... 3.2kg; 7lb.

Warranty ....................... 1 year, limited. See statement of warranty for details.

<table>
<thead>
<tr>
<th>Four versions</th>
<th>UV-V</th>
<th>V</th>
<th>V-IR</th>
<th>IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spectral range (optimum)</td>
<td>200-800nm (250nm)</td>
<td>300-850nm (450nm)</td>
<td>400-1600nm (750nm)</td>
<td>800-3200nm (900nm)</td>
</tr>
<tr>
<td>Grating density</td>
<td>1200 grooves/mm</td>
<td>1200 grooves/mm</td>
<td>600 grooves/mm</td>
<td>300 grooves/mm</td>
</tr>
<tr>
<td>Linear dispersion</td>
<td>4nm/mm</td>
<td>4nm/mm</td>
<td>8nm/mm</td>
<td>16nm/mm</td>
</tr>
<tr>
<td>Bandpasses with standard slits (supplied)</td>
<td>2,4,8nm</td>
<td>2,4,8nm</td>
<td>4,8,16nm</td>
<td>8,16,32nm</td>
</tr>
<tr>
<td>Wavelength accuracy</td>
<td>± 1nm</td>
<td>± 1nm</td>
<td>± 2nm</td>
<td>± 4nm</td>
</tr>
</tbody>
</table>

Scanning ..................... Optional stepping motor system including motor and control module with 5 operating modes, 10 scanning speeds, and computer compatibility.
Definition Sketches

External

Front and Top

slots for slits  fish-tail slides

entrance  exit

counter  lock  dial

Rear and Bottom

drive shaft  motor-mount holes

leveling feet in same holes as screws securing cover
for mounting posts

Internal

grating

entrance  exit

plane mirrors