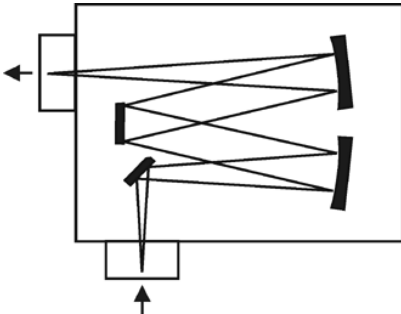




## Monochromators - SSM300

### Monochromator

Monochromator with C-T optical layout with one grating. Automatic compensatory device for beeline guide abrasion which can improve accuracy of transmission, reduce noise, and extend application life. Scanning can either be manual or instrument controlled via the SSC-3 controlling unit. Widely used in different speciality and industries such as education, science research, plating film machine and air pollution studies. Various configurations of input and output slits are available all with high precision, long application life time and symmetrical adjustment width.



### SPECIFICATIONS

<b>Focal Length</b>	300 mm
<b>Aperture Ratio</b>	f/6
<b>Scanning Range</b>	185 nm to far infrared with suitable gratings
<b>Resolution</b>	0.1 nm (at 435.8 nm, width of slits: 10 $\mu$ m, use 1200g/mm grating)
<b>Wavelength Accuracy</b>	0.2 nm
<b>Repeatability</b>	0.1 nm
<b>Standard Slits</b>	Width: 10 $\mu$ m - 3 mm can be adjusted continuously; Height: 10 mm
<b>Grating Option</b>	1200l/mm, $\lambda_p=500$ nm (application range of wavelength: 330 - 1000 nm)
<b>Virtual Application Area of Grating</b>	50 mm x 38 mm
<b>Minimum Drive Step Size of Find Step Subdivision Driving Motor</b>	0.003125 nm (1200g/mm grating)
<b>Size</b>	length 380 mm x width 285 mm x height 226 mm (bottom feet are not included)
<b>Central Height of Standard Slits</b>	155 mm (bottom feet are not included)