

IV-E231A Study Of D1,D2 Lines Of Sodium Light Using Spectrometer

Scope of Learning :

- To Find The Wavelength of Sodium Light Using Diffraction Grating
- To find the grating element or no. of lines/mm
- To find the dispersive power of diffraction grating
- Study of D1,D2 Lines of sodium Light

About Spectrometer :

- A Basic measuring instrument for quantitative spectroscopy experiments, this instrument is mounted on a stable cast iron base with attached collimator and a rotating telescope platform and graduated circle.
- A 2.4cm. Diameter achromatic optical system with a 10x Ramsden eyepiece & cross line graticule.
- An 8 cm. Diameter prism/grating Table, fully adjustable with prism & grating holders and engraved ring pattern. Protected Circle 15.0 cm with S.S. Scale.
- Vernier reading 1 minute. case with 2" Brass spirit level. Supplied in a wooden.

Required accessories :

Apparatus Supply:

- Spectrometer
- Reading Lens 2"
- Grating 15000 LPI
- Spirit Level 2"
- Working Manual



Accessories (Light Source):

- Sodium Vapour Lamp Assembly
- Sodium Vapour Lamp 35 Watts
- Sodium Vapour Lamp Box
- Sodium Vapour lamp Transformer 35 Watts.