

IV-E234 To Determine The Dispersive Power Of The Material Of The Prism For Violet & Yellow Colours Of Mercury Light With The Help Of Spectrometer (Hartmann's Formula)

Scope of Learning :

- To determine the dispersive power of the material of the prism for violet & yellow colours of mercury light with the help of spectrometer
- To verify the Hartmann's formula

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.
- Supplied in a wooden case with 2" Brass spirit level.

Required Accessories :

Apparatus Supply:

- Spectrometer
- EDF Prism 32x32
- Spirit Level 2"
- Working Manual

Accessories (Light Source):

- Mercury Vapour Lamp Assembly
- Mercury Vapour Lamp 80 Watts
- Mercury Vapour Lamp Box
- Mercury Vapour lamp Transformer 80 Watts

