

IV-E243 To Find The Thickness Of Thin Film (Mica Sheet) With The Help Of Spectrometer & Mercury Light Source

Scope of Learning :

- To find the thickness of thin film (Mica sheet) with the help of Spectrometer & Mercury light source.

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
- Grating 15000 LPI
- Micrometer Eye Piece
- Mica Sheet With Mounted on Stand
- Spirit Level 2"
- Working Manual

Accessories (Light Source):

- Table Lamp With 100W Bulb
- Mercury Vapour Lamp Assembly.
- Mercury Vapour Lamp 80 Watts
- Mercury Vapour Lamp Box
- Mercury Vapour lamp Transformer 80 Watts

