

IV-E232A To Determine The Wavelength Of Mercury With Help Of Diffraction Grating And Spectrometer

Scope of Learning :

Determine of Resolving power of a Diffraction Grating by Spectrometer with the help of 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 6"

Resolving Power Slit

Grating 15000 LPI

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

