

## IV-E230 To Find The Air Gap Between Parallel Plate Using Febyry Perot Etalon

### Scope of Learning :

- To find the Air Gap Between Parallel Plate Using Febyry Perot Etalon.



### 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
- Provided with variable rectangular slit (Drum type for direct reading)
- Equispaced and Equal width strip drawn on it
- Simple Light Source
- Febyry Perot Etalon
- Working Manual

#### Accessories (Light Source):

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