Order Code – 26279964.10 TO DETERMINE THE REFRACTIVE INDEX OF THE MATERIAL OF A GIVEN PRISM USING

SCOPE OF LEARNING:

- To determine the refractive index of the prism material using sodium light with the help of spectrometer
- To find the angle of prism by rotating Telescopic Method.
- Dispersive Power of Prism
- To plot a graph between angle of incidence & corresponding angle of deviation to find the RI of prism

ABOUT SPECTROMETER:

- A Basic measuring instrument for quantitative spectroscopy experiments, this instrument is mounted on a stable cast iron base with att ached 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 Circle15.0 cm with S.S. Scale.
- Vernier reading 1 minute.
- Supplied in a wooden case with 2” Brass spirit level.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

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REQUIRED ACCESSORIES:

Apparatus Supply:

- Spectrometer
- EDF Prism 32x32
- 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

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