

Experiment(s):

1. Determination of refractive index of liquids and solids

(For more details, procedure & manual visit: www.kamaljeeth.net)

Reference : *Lab Experiments Journal vol-12, No.3, Page-171*
Lab Experiments Journal vol-16, No.1, Page-32

Experiment setup consists:

- a) Abbe's refractometer
- b) Sodium vapour lamp set

Specifications:

a) Abbe's refractometer

Range: 1.3 - 1.7
 Resolution: 0.001
 Minimum sample quantity required: 1 ml
 Calibration: Yes using provided standard liquid
 Type: Split prism
 Measurement of R.I at varying temperature: Available through external feed
 Illumination: Through adjustable mirror
 Eyepieces: 2 nos - For R.I scale and Bright and dark region viewing
 Base: Cast iron
 Moving parts: Brass

b) Sodium vapour lamp set (Optional)

Lamp: Philips / Thorne 35 W
 Lamp house: Single lamp type with fixed slit openings
 Transformer: 35 W, Instant On type
 Rated Input: 220 V/50 Hz
 or 110 V/60 Hz



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3 years manufacturing warranty