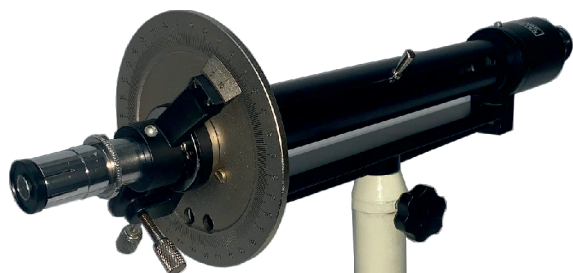


Experiment(s):

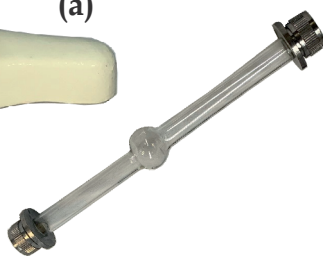
1. Determination of specific rotation of sugar solution

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

Reference : *Lab Experiments Journal vol-15, No.4, Page-253*



(a)



(c)



(b)

Experiment setup consists:

- Polarimeter & Glass tube
- Sodium vapour lamp set
- Digital balance (Optional)

Specifications:**a) Polarimeter & Glass tube**

Type: Half shade
 Base material: Cast iron
 Moving components: Brass
 Scale: Vernier type graduated to 360°
 LC: 0.1°
 Rotation: Coarse and fine
 Focus: Adjustable at eye piece
 Tube slot: Can accommodate tubes up to 220 mm

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

c) Digital balance (Optional)

Range: 200 g
 Resolution: 0.01 g
 Type: Pocket scale
 Power: Battery operated



KAMALJEETH INSTRUMENTS

Address: No. 610, 5th main, 8th cross Tatanagar, Bangalore - 560092, INDIA

Website: www.kamaljeeth.net, Email: labexperiments@kamaljeeth.net

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