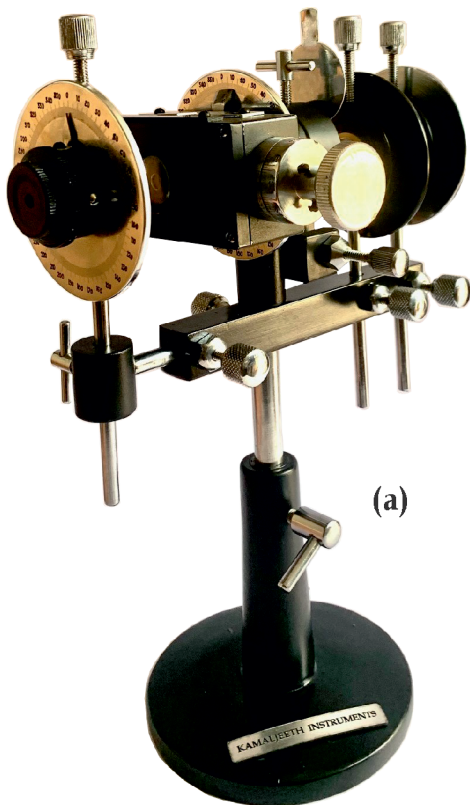


Experiment(s):

1. Measurement of Birefringence of mica

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

Reference : *Lab Experiments Journal vol-7, No.3, Page-203*
Lab Experiments Journal vol-15, No.3, Page-210



(a)



(b)

Experiment setup consists:

- a) Babinet compensator
- b) Sodium vapour lamp set

Specifications:

a) Babinet compensator assembly consists of

Polarizer: Graduated 360° scale with LC 1°, mountable on to Upright

Mica Sheet
Fixed on a frame

Analyzer: Graduated 360° scale with LC 1°, mountable on to upright

Quartz crystal box
consists of 2 quartz wedges cut perpendicularly of its optical axes

Reading: Screw gauge type reading micrometer
Movement: 25 mm
Resolution: 0.01 mm

Telescope with circular graduation

b) Sodium vapour lamp set

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



KAMALJEETH INSTRUMENTS

ESTD. 1990

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