NEWTON's RINGS WITH DIGITAL READOUT

Model: NR-2020/027

Experiment(s):

1. Determination of wavelength of sodium vapour lamp
2. Determination of focal length of convex lens
3. Determination of refractive index of liquid

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

Reference : Lab Experiments Journal vol-13, No.1, Page-49

Experiment setup consists:

a) Newton's rings microscope

b) Digital readout

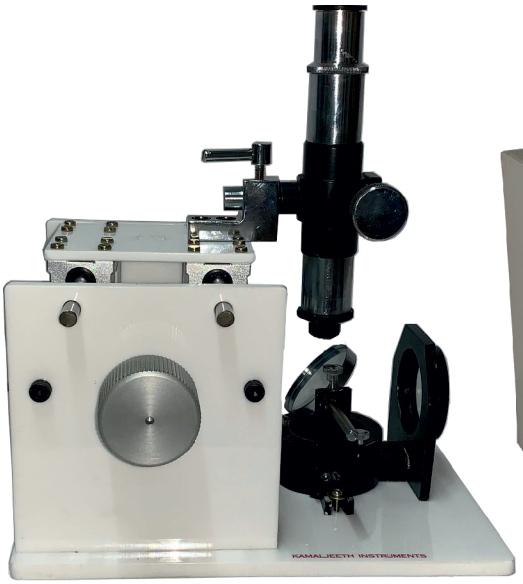
c) Sodium vapour lamp set

Specifications:

a) Microscope
Newton's rings microscope
Reflector: 45° turning glass plate
Metal assembly with knob screw
Fixed glass plates and lens assembly
Base material: Acrylic
Moving components: Brass
Reading: Digital output

b) Digital readout
Range: 100 mm
Resolution: 0.01 mm
Display: LCD
Rated Input: 220 V/50 Hz
or 110 V/60 Hz

c) 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



(a)

(b)

(c)

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