

**Experiment(s):**

1. Determination of wavelength of sodium lamp
2. Determination of focal length of convex lens
3. Determination of refractive index of water/liquids

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))

Reference : Lab Experiments Journal vol-13, No.1, Page-49  
Lab Experiments Journal vol-2, No.1, Page-65

**Experiment setup consists:**

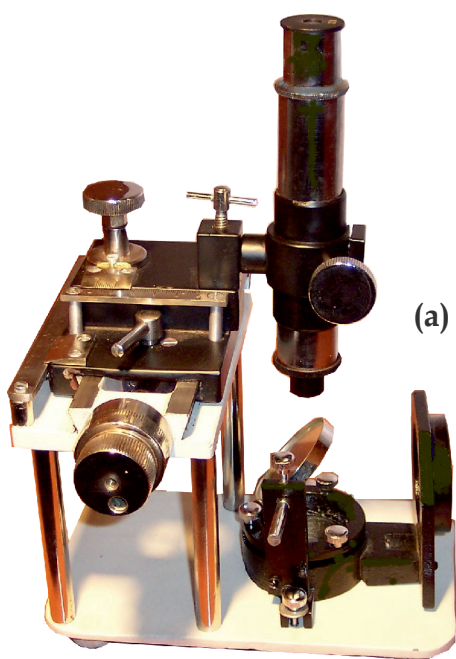
- a) Microscope
- b) Sodium vapour lamp set

**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: Cast iron  
Moving components: Brass  
Reading: Screw gauge type reading micrometer  
x-movement: 50 mm  
Resolution: 0.01 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



(a)



(b)



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