

Model: CLED-201/038

SEMICONDUCTOR ENERGY GAP BY OPTICAL METHOD

Experiment(s):

1. Determination of average wavelengths of LEDs
2. Determination of energy gap of semiconductor by optical method
3. Determination of coherence length of LED

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

Reference : Lab Experiments Journal vol-2, No.2, Page-10
Lab Experiments Journal vol-10, No.3, Page-215

Experiment setup consists:

- a) Newton's rings microscope
- b) LED light source

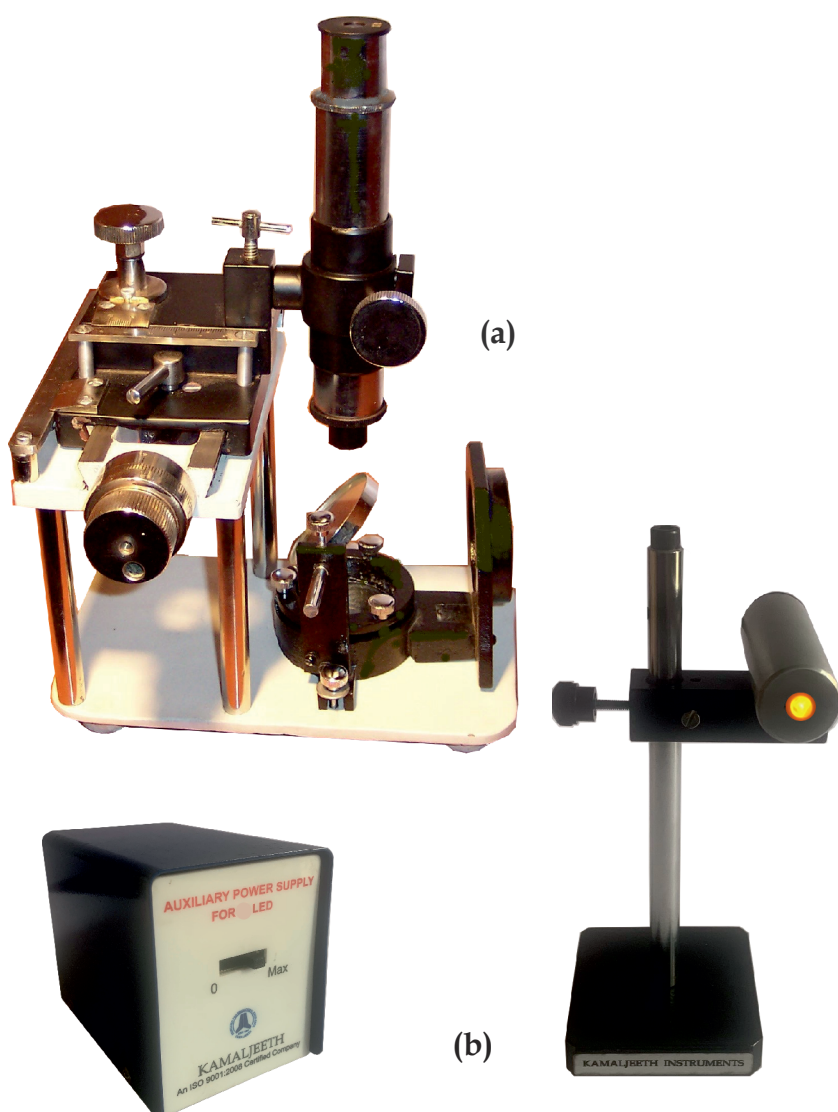
Specifications:

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

b) LED light source

Lamp: 2 W LED
Wavelength: 590 nm
Height: Adjustable up to 150 mm
Power supply: Fixed voltage LED driver
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Mains cord: 2 pin



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3 years manufacturing
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