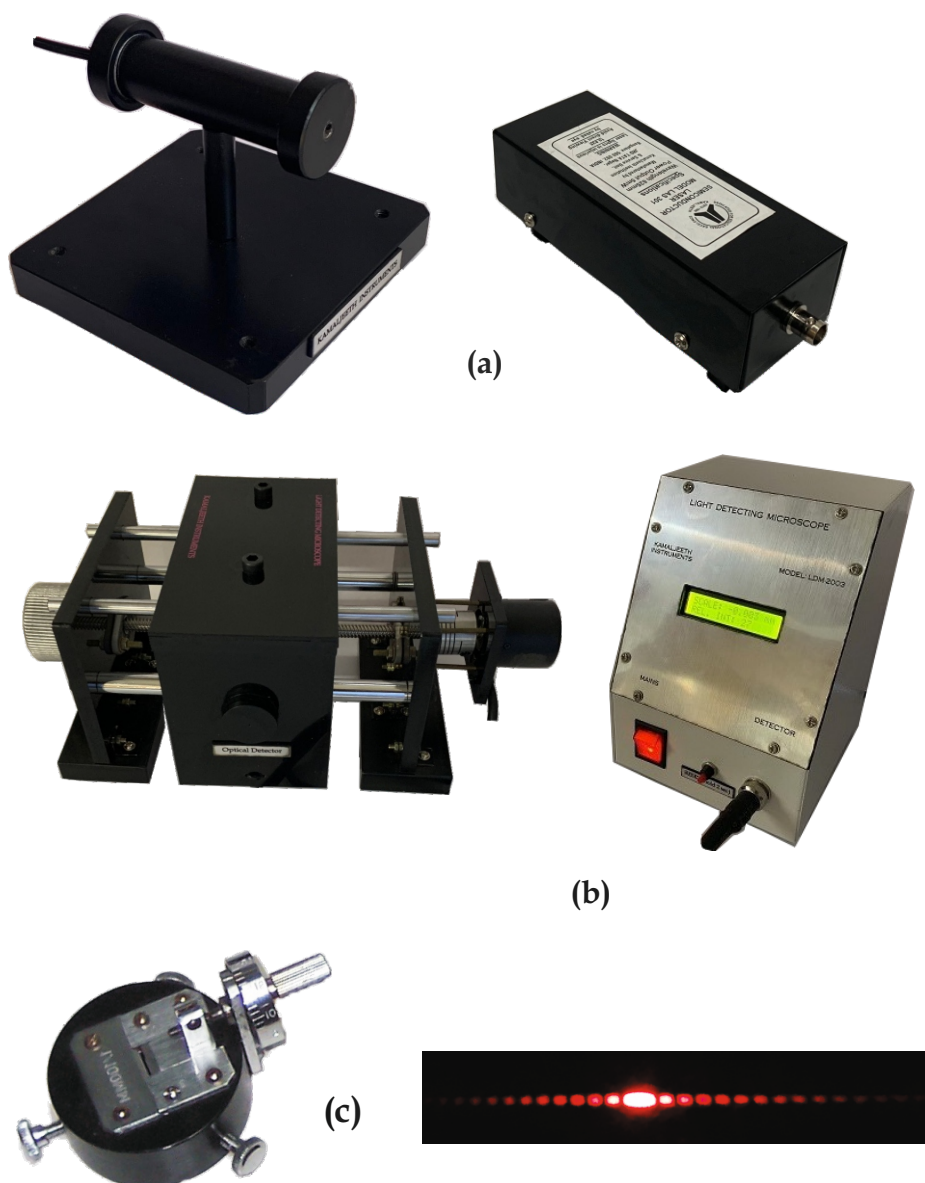


Experiment(s):

1. Determination of wavelength of Laser
2. Determination of slit width

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



Experiment Setup Consists:

- a) Laser & Power supply
- b) Light detecting microscope
- c) Single hole circular slit

Specifications:

a) Laser:

Type: Semiconductor Diode Laser
Wavelength: 625nm (Red)
Output Power: 3mW
Mount: Cast Iron Base with levelling screw

Power Supply:

Output: Suitable for 3mW & 5mW
Semiconductor Lasers
Input: Mains operated 220V, 50Hz or 110V, 60Hz, Mains cord: 2 pin

b) Light Detecting Microscope:

Bed travel: 100mm (One Axis)
Resolution: 0.001mm
Output: Displayed on metre in mm
Sensor: Photo detector
Base: Cast Iron

c) Adjustable Slit:

Mount: Suitable to be fitted on Laser
Slit: Adjustable through micrometer
Max Width: 10mm
LC: 0.01 mm

Reference : Lab Experiments Journal vol-2, No.3, Page-15



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