

Experiment(s):

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

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

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

Experiment setup consists:

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

Specifications:

a) Laser

Type: Semiconductor diode Laser
Wavelength: 625 nm (Red)
Output Power: 3 mW
Mount: Cast iron base with levelling screw

Power supply

Output: Suitable for 3 mW & 5mW semiconductor Lasers
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Mains cord: 2 pin

b) Light detecting microscope

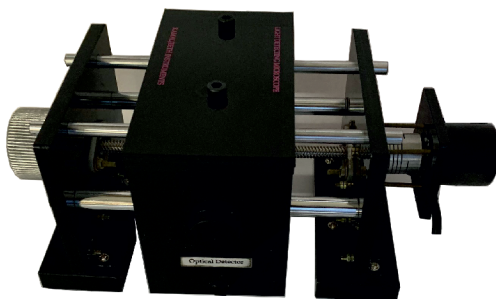
Bed travel: 100 mm (One Axis)
Resolution: 0.001 mm
Output: Displayed on meter in mm
Sensor: Photo detector
Base: Cast iron

c) Adjustable slit

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



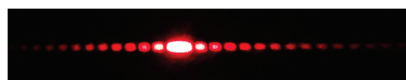
(a)



(b)



(c)



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Address: No. 610, 5th main, 8th cross Tatanagar, Bangalore - 560092, INDIA

Website: www.kamaljeeth.net, Email: labexperiments@kamaljeeth.net

3 years manufacturing
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