

Model: LDR-201/022

LASER DIFFRACTION BY RECTANGULAR APERTURE

Experiment(s):

1. Determination of wavelength of Laser
2. Determination of width (and breath) of rectangular aperture

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

Reference : *Lab Experiments Journal vol-5, No.1, Page-19*

Experiment setup consists:

- a) Laser & power supply
- b) Light detecting microscope
- c) Rectangular hole 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 & 5 mW semiconductor Lasers
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Mains cord: 2 pin

b) Light detecting microscope

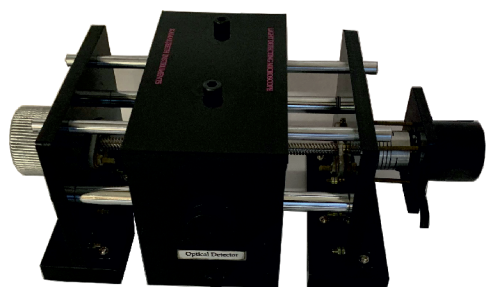
Bed travel: 100 mm (one axis)
Resolution: 0.001 mm
Output: Displayed on meter in mm
Sensor: Photo detector
Base: Cast iron

c) Rectangular hole slit

Mount: Suitable to be fitted on Laser
Hole dimension: 1 to 2 mm



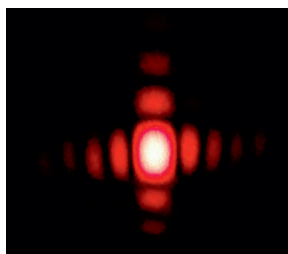
(a)



(b)



(c)



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3 years manufacturing
warranty