

Experiment(s):

1. Determination of wavelength of Laser by Bi-Prism

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

Reference : *Lab Experiments Journal vol-18, No.1, Page-1*

Experiment setup consists:

- a) Laser
- b) Bi-prism
- c) Light detecting microscope

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

b) Bi-Prism

Moulded bi-prism on a stand

Material: Glass, R.I 1.54

c) Light detecting microscope

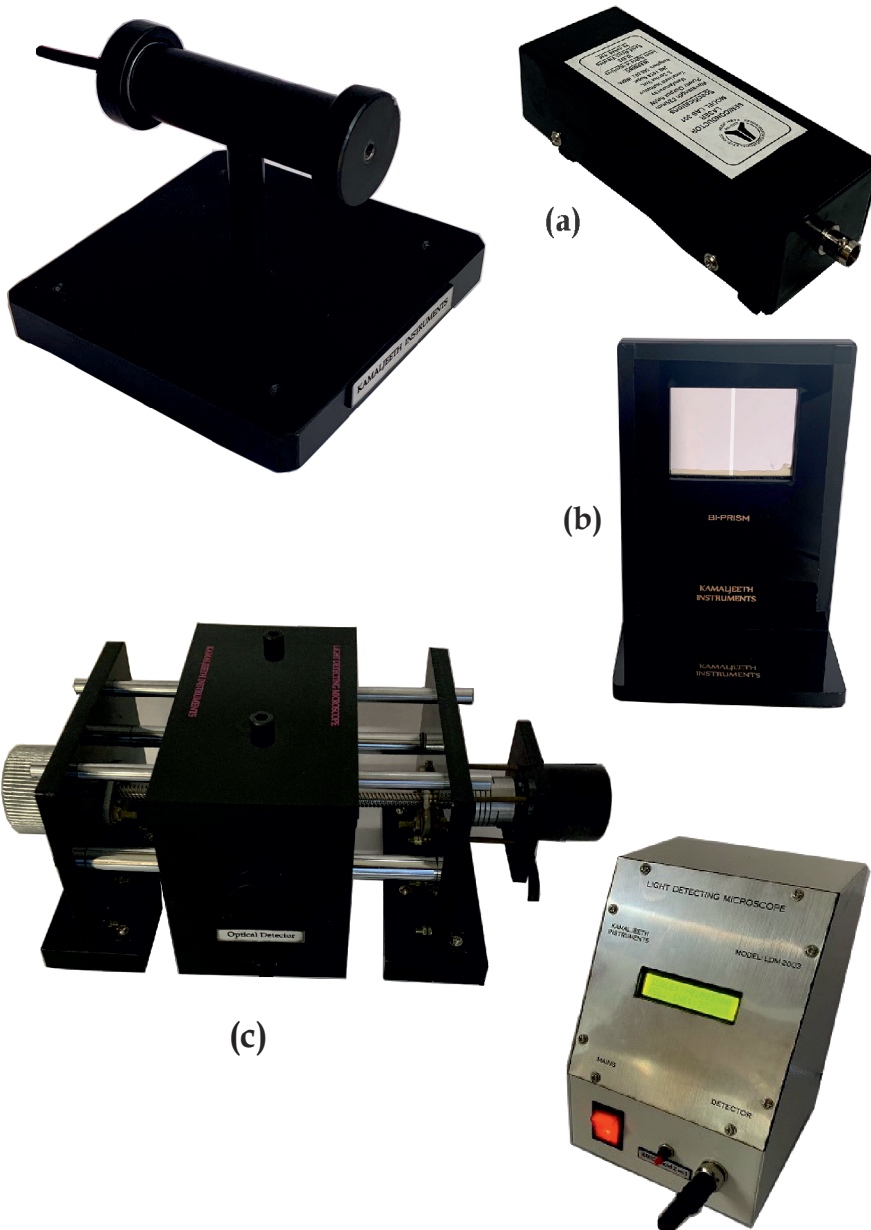
Bed travel: 100 mm (one axis)

Resolution: 0.001 mm

Output: Displayed in mm

Sensor: Photo detector

Base: Cast iron



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