

Model: NA-201/028

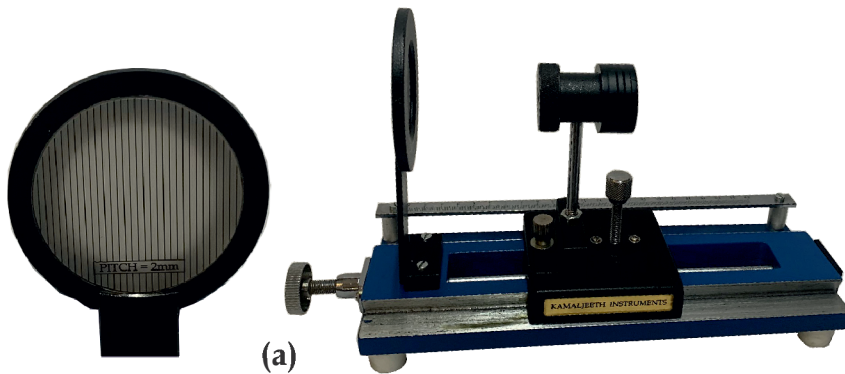
NUMERICAL APERTURE & DIVERGENCE ANGLE

Experiment(s):

1. Determination of numerical aperture and divergence angle of OFC

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

Reference : *Lab Experiments Journal vol-9, No.3, Page-212*



(a)



(b)



(c)

Experiment setup consists:

- a) X-Y Bed
- b) Laser & power supply
- c) OFC cable

Specifications:

a) X-Y Bed

Bed length: 220 mm
Screen: 35 mm dia
Graduations on screen: 2 mm
Movement: Course and fine using screw movement

b) 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

c) Optical Fibre Cable (OFC)

Length: 1.5 m or 3 m
Core dia of the cable: 0.5 mm



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