NUMERICAL APERTURE , DIVERGENCE ANGLE, ATTENUATION AND BANDWIDTH

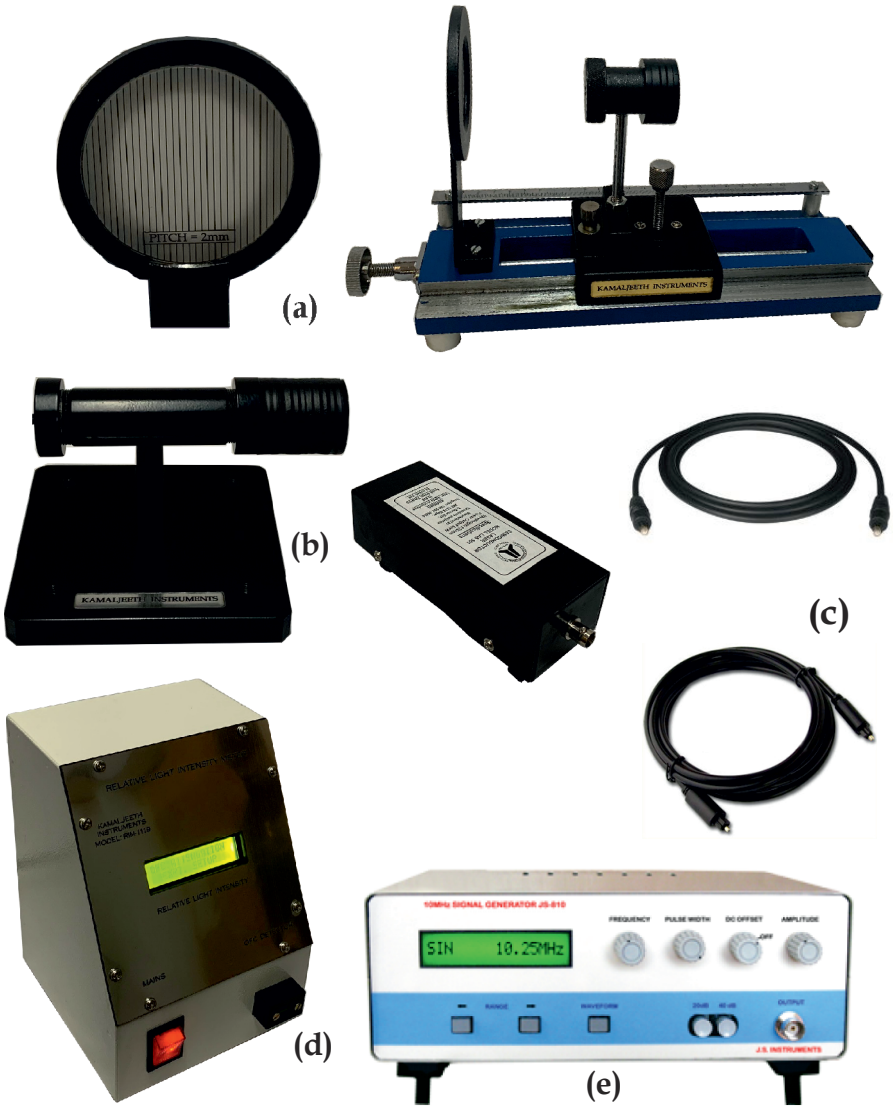
Model: NA-203/030

Experiment(s):

1. Determination of numerical aperture and divergence angle of Optical Fibre Cable (OFC)
2. Determination of attenuation in optical fibre cable
3. Determination of bandwidth of optical fibre cable

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

Reference : Lab Experiments Journal vol-6, No.4, Page-309
Lab Experiments Journal vol-10, No.1, Page-60



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

c) Optical Fibre Cable (OFC):
Length: 1.5m or 3m
Core dia of the cable: 0.5mm

d) Relative light intensity metre
Optical detector: Input from OFC
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Mains cord: 3 pin

e) Signal generator
Max frequency: 10 MHz
Max amplitude: Suitable for Laser

KAMALJEETH INSTRUMENTS
ESTD. 1990
Address: No. 610, 5th main, 8th cross Tatanagar, Bangalore - 560092, INDIA
Website: **www.kamaljeeth.net**, Email: labexperiments@kamaljeeth.net

3 years manufacturing warranty