Experiment(s):

1. Determination of polarization angle or Brewster's angle.

2. Determine refractive index of sample

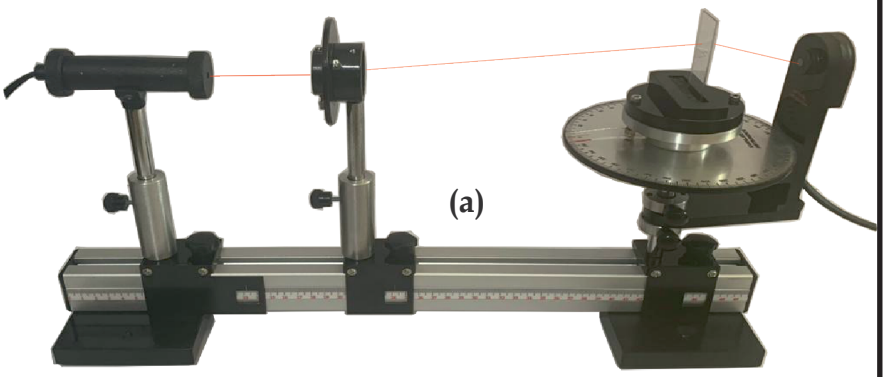
(For more details, procedure & manual visit: www.kamaljeeth.net)

Reference : Lab Experiments Journal vol-11, No.2, Page-89
Lab Experiments Journal vol-12, No.3, Page-190

Experiment setup consists:

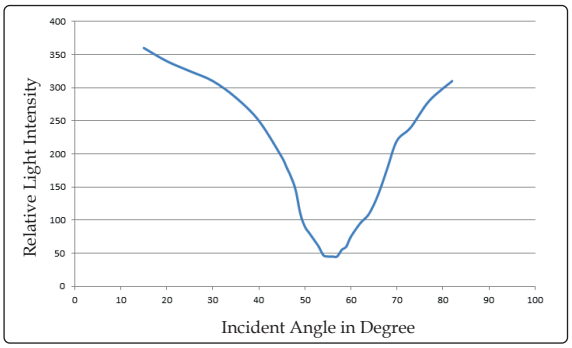
a) Optical bench Goniometer

b) Laser power supply and Laser detector



(a)

(b)



Specifications:

a) Optical bench goniometer:
Bench Length: 500 mm
Sliders: 3 (Laser, Polarizer & Goniometer)
Material: Cast iron heavy base with leveling screw, hardened aluminium rail

Semi-conductor diode Laser
Laser: 650 nm (Red)
Power: 5 mW

Polarizer
Graduated on 360° rotating platform

Goniometer
Graduated on 360° Fixed Platform with rotating sample bed and rotating pin hole sensor

b) Power supply and detector:
Power Supply: Capable of powering up to 10 mW semiconductor Laser
Detector: Connected to relative Light intensity meter with auto calibration

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