

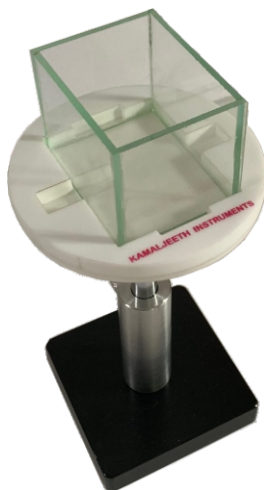
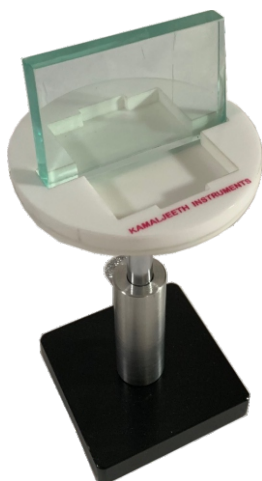
## Experiment(s):

1. Determination of refractive index of liquids using Laser
2. Determination of refractive index of solids using Laser

(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))



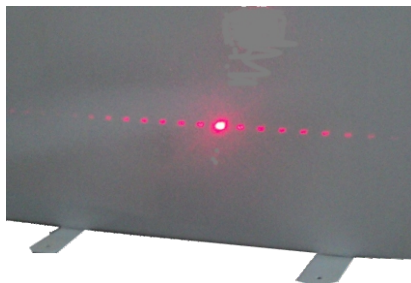
(a)



(b)



(c)



## Experiment Setup Consists:

- a) Laser & Power supply
- b) Glass slab and tank assembly
- c) Screen and Measuring tape

## Specifications:

### a) Laser:

Type: Semiconductor Diode Laser  
Wavelength: 625nm (Red)  
Output Power: 3mW  
Mount: Cast Iron Base with levelling screw

### Power Supply:

Output: Suitable for 3mW & 5mW  
Semiconductor Lasers  
Input: Mains operated 220V, 50Hz or 110V, 60Hz, Mains cord: 2 pin

### b) Glass Slab and Tank assembly

Height: Adjustable  
Can accommodate slabs of different thickness

### c) Screen and Measuring tape

White metal screen  
Measuring tape: 3m

Reference : Lab Experiments Journal vol-8, No.3, Page-208



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