

Model: DP-201/010

## CAUCHY'S CONSTANT / DISPERSIVE POWER OF A PRISM

### Experiment(s):

1. Determination of dispersive power of prism
2. Determination of refractive index of a prism
3. Determination of Cauchy's constant

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

Reference : Lab Experiments Journal vol-16, No.1, Page-24

### Experiment setup consists:

- a) Spectrometer
- b) Prisms (optional)
- c) Mercury vapour lamp

### Specifications:

#### a) Spectrometer

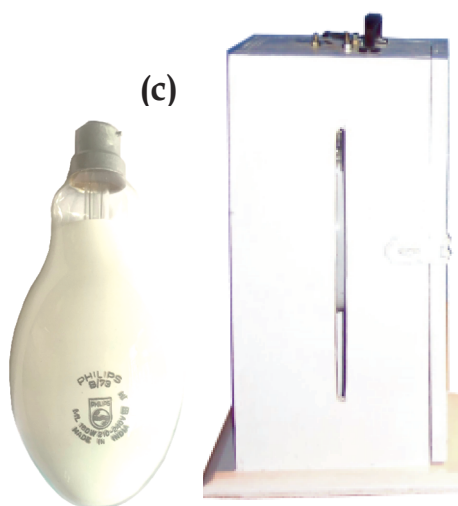
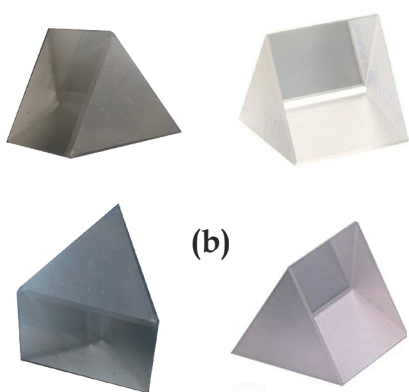
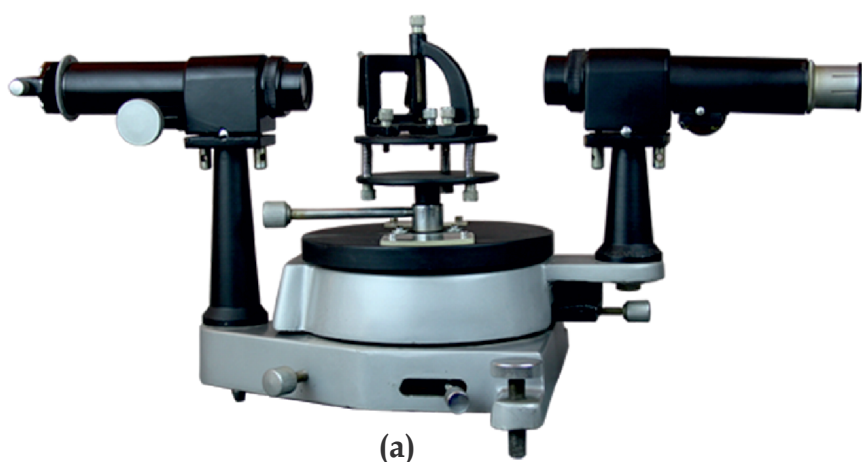
Scale: 6" diameter (Brass)  
 Base: Cast iron with levelling screw  
 All moving parts made of Brass for accuracy  
 Collimator with adjustable slit  
 Horizontal axis alignment for collimator: Yes  
 Horizontal axis alignment for telescope: Yes  
 Centre table: Height adjustable with provision for Prism and grating holder  
 Telescope with user changeable cross wire and eyepiece

#### b) Prisms (optional):

Double Extra Dense Flint (DEDF), Extra Dense Flint (EDF), Quartz and Calcite  
 Size: 15 mm to 25 mm

#### c) Mercury vapour lamp

Bulb: Philips/Osram  
 Power: 160 W  
 Transformer free operation  
 Enclosure: Wooden with slits  
 Rated Input: 220 V/50 Hz  
 or 110 V/60 Hz



## KAMALJEETH INSTRUMENTS

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