

Experiment(s):

1. Determination speed of light

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

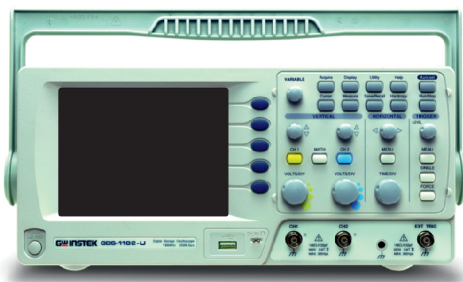
(a)



(b)



(c)



(d)



(e)

Experiment setup consists:

- Laser light source with fixed oscillator
- Detector and stand
- Mirror and stand
- Digital storage oscilloscope
- Measuring tape

Specifications:**a) Semi-conductor diode Laser**

Wavelength: 625 nm (Red)
 Power: External power supply, mains operated (Included)
 Output power: 2 mW
 Oscillator: Built-in with fixed frequency and amplitude

b) Detector

Type: Photo diode based
 Output: To DSO
 Power: External power supply, mains operated
 Stand height: Up to 400 mm

c) Mirror and stand

Mirror size 45 mm x 45 mm
 Stand: Tripod, height and tilt adjustable

d) Digital Storage Oscilloscope

Make: GW Instek
 Model: 1102-U
 Bandwidth: 100 MHz
 Channels: 2
 Sampling rate: 250 Million samples/sec
 Display: 5.7" TFT colour
 USB PC interface: Yes
 Warranty: 5 years

e) Measuring tape

Length: 10 m

**KAMALJEETH INSTRUMENTS**

ESTD. 1990

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3 years manufacturing warranty