

Experiment(s):

1. I-V Characteristics of - Photo diode, LED, Photo transistor, LDR
2. Solar cell characteristics
3. Opto-coupler characteristic

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

Reference : *Lab Experiments Journal vol-2, No.3, Page-8*



Specifications:

Optical bench

Bench length: 500 mm
Scale: Yes with LC 0.1 cm
Sliders & holders: 3
Material: Cast iron heavy base with leveling screw, hardened aluminium rail

Photo sensitive semi conductors

Photo transistor, LDR, Photo diode, opto-coupler and solar cell

White light source: LED lamp

Output: 2 W
Rated Input: 220 V/50 Hz
or 110 V/60 Hz

Semiconductor diode Laser

Wavelength: 625 nm (Red)
Output power: 3 mW
Mount: Height adjustable
Power supply output: Suitable for 3 mW & 5 mW semiconductor Lasers

Opto-electronics characteristics kit

DC variable regulated power supply with coarse and fine knobs 0-12 V
Continuous variable load resistor
Internally connected digital volt and current meters
Rated Input: 220 V/50 Hz
or 110 V/60 Hz
Mains cord: 3 pin



KAMALJEETH INSTRUMENTS

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3 years manufacturing warranty