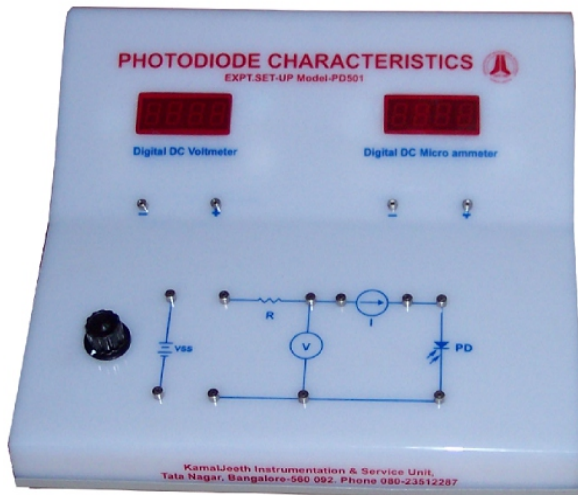


Experiment(s):

1. Determination of Responsivity, Quantum efficiency & I-V characteristics

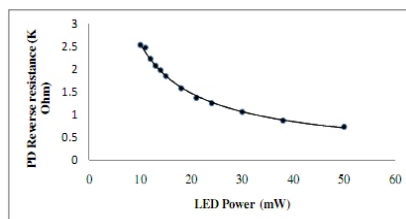
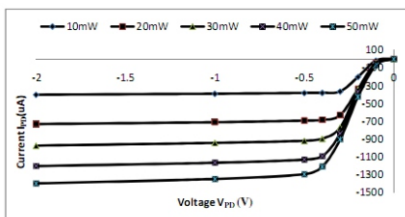
(For more details, procedure & manual visit: www.kamaljeeth.net)



(a)



(b)



Experiment Setup Consists:

- a) Experimental Kit
- b) Illumination Chamber

Specifications:

Experimental Setup:

Power supply: 0-3V DC variable & regulated, Short circuit protected

Volt meter: Digital DC 3½ digit
Range: 20V

Resolution: 0.01V

Current meter: Digital DC 3½ digit

Range: 2000μA

Resolution: 1μA

Semi-conductor devices: Photo-diode

Power: AC 220V/50Hz or
AC 110V/60Hz

Power Consumption: <50W

Cabinet: Acrylic body,
aluminum bottom

Illumination chamber:

Independent LED type with
variable input power

Power: AC 220V/50Hz or
AC 110V/60Hz

Power Consumption: <20W

Connectors:

2mm-2mm Brass moulded patch
cords

Reference : Lab Experiments Journal vol-10, No.2, Page-111



KAMALJEETH INSTRUMENTS

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