

# DIODE & ZENER-DIODE CHARACTERISTICS

Model: DZD-1908/105

## Experiment(s):

1. Determination of knee voltage, zener voltage and forward resistance
2. Determination of knee voltage, plotting I-V characteristics in forward and reverse bias for a any semi-conductor diode

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

Reference : Lab Experiments Journal vol-1, No.1, Page-20

## Experiment setup consists:

- a) Diode & zener diode characteristics kit
- b) Semiconductor devices
- c) Patch cords

## Specifications:

### a) Diode & zener diode characteristics kit

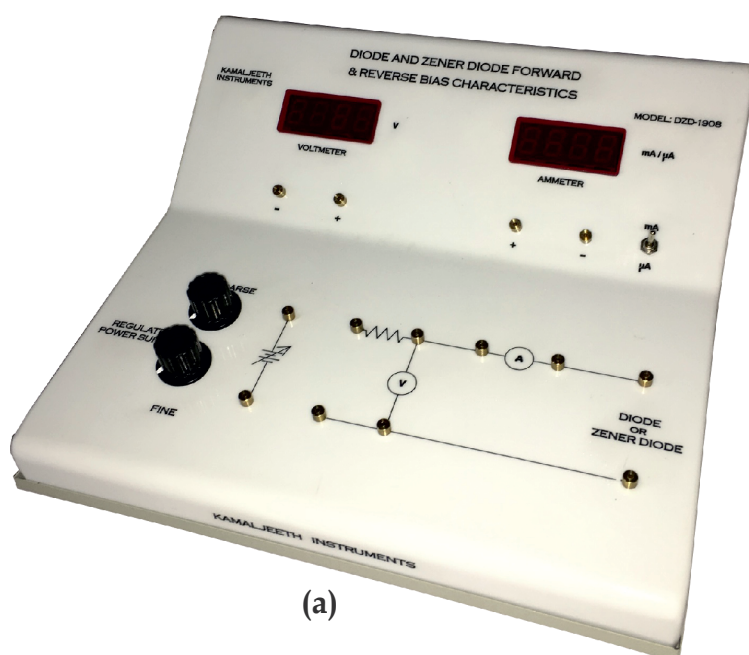
Power supply: 0-20 V DC variable & regulated  
Volt meter: Digital DC 3½ digit  
Range: 20 V  
Resolution: 0.01 V  
Current meter: Digital DC 3½ digit  
Range selector: Single step  
Range: 200 mA or 200 µA  
Resolution: 0.1 mA or 0.1 µA  
Device mounting: External  
Rated Input: 220 V/50 Hz  
or 110 V/60 Hz  
Power Consumption: < 50 W  
Cabinet: Acrylic body, aluminium bottom

### b) Semi-conductor devices:

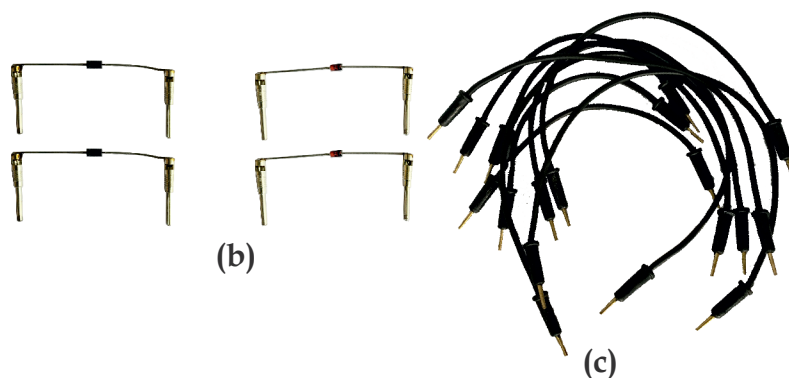
Diode -2,  
Zener Diode - 2

### c) Patch cords:

Set of standard 2mm patch cords of different lengths with spare cords



(a)



(b)

(c)



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3 years manufacturing warranty