

Product Name :
Semiconductor Diode Characteristics

Product Code :
NLAB-ELECTRONICSAB420031

Description :

Semiconductor Diode Characteristics

Technical Specification :

Experimental Training Board has been designed specifically for plotting Characteristics of Ge & Si Semiconductor Diodes.

The board is
absolutely self contained and requires no other apparatus.

Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

01. To Study and Plot the Forward and Reverse Bias characteristics of (Ge & Si) Semiconductor Diodes.
02. To Determine the Static and Dynamic resistances of Forward Biased p-n junction of the given Diodes.

Features:

The board consists of following built-in parts:

1. 0-10V D.C. at 50mA, continuously variable with Coarse & Fine Pots, regulated Power Supply.
2. Digital Voltmeter DC 3½ Digit Having Dual range of 2V / 20V.
3. Digital Current meter DC 3½ Digit Having Dual range of 20mA / 20mA
4. Ge and Si Semiconductor Diodes.

- 5. Adequate no. of other electronic components.
- 6. Mains ON/OFF switch and Fuse.
- 7. The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 8. Adequate no. of patch cords 4mm length 50cm

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