



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
  9. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections /observation of waveforms.
- \* Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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