



Order Code - 36169A Experimental Training Board has been designed specifically for plotting the forward and reverse bias characteristics of a Silicon semiconductor Diode, and a Zener Diode. 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 & reverse bias characteristics of a Silicon semiconductor Diode.
02. To study and plot the forward & reverse bias (breakdown) characteristics of a Zener Diode.

**Features:**

The board consists of the following built-in parts :

01. 0-10V D.C. at 10mA, continuously variable regulated Power Supply with low ripple & hum and integral current limiting resistor.
  02. A Silicon semiconductor Diode mounted behind the panel.
  03. A Zener Diode mounted behind the panel.
  04. Adequate no. of other electronic components.
  05. Mains ON/OFF switch, Fuse and Jewel light.
- \* The unit is operative on 230V  $\pm$  10% at 50Hz A.C. Mains.
  - \* Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length ½ metre.
  - \* 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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