

OMEGA TYPE ETB-51 Experimental Training Board has been designed specifically for plotting the forward and reverse bias characteristics of a Germanium 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 Germanium 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. D.C. Voltmeter, 65mm rectangular dial, with switch selectable ranges of 1V and 10V.
 03. D.C. Microammeter, 65mm rectangular dial, with switch selectable ranges of 50 mA and 10mA.
 04. A Germanium semiconductor Diode mounted behind the panel.
 05. A Zener Diode mounted behind the panel.
 06. Adequate no. of other electronic components.
 07. 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 $\frac{1}{2}$ 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.
 - * Weight : 3 Kg. (Approx.)
 - * Dimension : W 340 x H 110 x D 210

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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