



OMEGA TYPE ETB-66 Experimental Training Board has been designed specifically to study the characteristics and applications of a DIAC. DIAC is extensively used now a days in power control circuits.

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

OBJECT

- 01 To plot V-I Characteristics of a DIAC and study the following :
 - 1.1 Breakover voltage, V_{BO} .
 - 1.2 Negative resistance region.
 - 1.3 V_{BO} symmetry and delta V.
- 02 To study the applications of a DIAC as :
 - 2.1 Saw tooth waveform generator.
 - 2.2 Pulse train generator.

FEATURES

The board consists of following built-in parts:

- 01 0-50V DC at 50mA, regulated Power Supply.
- 02 45VAC at 50mA, unregulated Power Supply.
- 03 Digital Voltmeter DC 3½ Digit range of 20V / 200V.

04 Digital Current meter DC 3½ Digit range of 200mA/200mA

05 DIAC.

06 Potentiometer and adequate no. of other electronic components.

07 Mains ON/OFF switch, Fuse and Jewel light.

08 The unit is operative on 230V $\pm 10\%$ at 50Hz AC Mains.

09 Adequate no. of patch cords stack able from rear both ends 4mm spring loaded plug length 50cm.

10 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.

11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

12 Weight : 3 Kg. (Approx.)

13 Dimension : W 340 x H 125 x D 250

OTHER APPARATUS REQUIRED :

- 01 Dual trace CRO OMEGA TYPE CRO-20

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

OMEGA ELECTRONICS