



**OMEGA TYPE ETB-285** Experimental Training Board has been designed specifically for to Determine the Boltzmann Constant and V-I Characteristics of PN Junction 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 Determine the Boltzmann Constant and V-I Characteristics of PN Junction Diode

#### FEATURES

The board consists of following built-in parts:

- 01 0-2V D.C. at 20mA, continuously variable with Coarse & Fine Pots, regulated Power Supply.
- 02 Digital D.C. Voltmeter, 3½ Digit ranges 0-2V.
- 03 Digital D.C. Ammeter 3½ Digit ranges 0-20mA.
- 04 Temperature meter LCD / LED type
- 05 Oven ON-OFF Switch

06 Diode Silicon

07 Adequate no. Of other electronic components.

08 Mains ON/OFF switch and Fuse.

09 The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.

10 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.

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

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

13 Weight : 1.400 Kg. (Approx.)

14 Dimension : W 340 x H 125 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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