



**OMEGA TYPE ETB-145** Experimental Training Board has been designed specifically for understanding the Temperature Measurement technique using a Thermistor. 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 calibrate the ammeter for temperature measurement using in-built electrical oven and a Mercury thermometer.
- 02 To measure temperature of a hot object.

### FEATURES

The board consists of the following built-in parts :

- 01 +12V D.C. at 50mA, IC regulated Power Supply internally connected.
- 02 20V A.C. at 1.2A, for oven.
- 03 Digital Ammeter DC 3½ Digit range 2mA.
- 04 Potentiometer and three fixed value resistors.

05 NTC type 1K thermistor provided as a probe.

06 Electrically heated oven.

07 thermometer. 110°C

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

09 The unit is operative on 230VAC ±10% at 50Hz.

10 Adequate no. of patch cords stackable from rear both ends 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 : 3.500 Kg. (Approx.)

14 Dimension : W 300 x H 140 x D 200

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

## OMEGA ELECTRONICS