



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. D.C. Microammeter, 65mm rectangular dial with switch selectable ranges of 500 mA and 1mA.
  04. Potentiometer and three fixed value resistors.
  05. NTC type 1K thermistor provided as a probe.
  06. Electrically heated oven.
  07. Glass thermometer.
  08. 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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