



OMEGA TYPE ICT-912 Has been designed specifically to study the Temperature Measurement Tutor using AD - 590. The board is self contained and require no other apparatus.

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

OBJECT

01 To study Temperature Measurement and Characteristic of Temperature Transducer AD-590.

FEATURES

The board consists of following built in parts :

- 01 $\pm 12V$ D.C. at 100mA, I.C. regulated Power Supply internally connected.
- 02 3-30V D.C. at 50mA, IC regulated Power Supply
- 03 30V D.C. at 600 mA. Unregulated power supply for oven.
- 04 Oven for heating AD-590.
- 05 Two AD-590, One for study of characteristic and one for maintaining the set temperature.

06 $3\frac{1}{2}$ digits digital panel meter for temperature display.

07 $3\frac{1}{2}$ digits digital panel meter with switch selection to read voltage range 0-200V and to read current 0 - 1999 μ A.

08 Potentiometer to set the temperature.

09 Adequate no. of other electronic components.

10 Mains ON/OFF switch and Fuse.

11 Weight : 4 Kg (Approx.)

12 Dimension : W 340 x H 125 x D210

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

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

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

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

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

OMEGA ELECTRONICS