



OMEGA TYPE ICT-902 Industrial Control Transducer has been designed specifically for measurement and control of temperature using RTD Transducer. The board requires other apparatus like heater and beaker.

Practical experience on this set up carries great educational value for Science and Engineering Students.

OBJECT

- 01 Measurement and control of temperature using RTD transducer.

FEATURE

The unit consists of the following built-in parts:

- 01 6 V DC at 100 mA, IC Regulated Power Supply.
- 02 Four Op-Amp. ICs.
- 03 Relay 6V DC, one change over.
- 04 One NPN transistor.
- 05 3 1/2 digits display panel meter, to display temperature in °C.
- 06 RTD sensor with 3 pin connector.
- 07 One switch for setting temperature on one side and to read actual temperature on other side.

- 08 Potentiometer to control temperature.
- 09 AC mains socket to connect load whose temperature is to be controlled.
- 10 Adequate no. of other Electronic Components.
- 11 Mains ON/OFF Switch and Fuse 400 mA.
- 12 The unit is operative on 230V $\pm 10\%$ at 50Hz AC Mains.
- 13 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 14 Strongly supported by detailed Operating Instructions, giving details of Object Theory, Design, Procedures, Report Suggestions.

- 15 Weight : 3 Kg. (Approx)
- 16 Dimension : W340x H110 x D210 (mm)

OTHER APPARATUS REQUIRED

- 01 Heater 1000 W / 230V
- 02 Beaker
- 03 Bulb 100W with Holder

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

OMEGA ELECTRONICS