



Industrial Control Transducer has been designed specifically for measurement and control of temperature using RTD Transducer. The board require other apparatus like heater and beaker.
Practical experience on this set up carries great educative value for Science and Engineering Students.

Object:

Measurement and control of temperature using RTD transducer

Feature:

The unit consists of following built in parts :

01. $\pm 12V$ DC at 100 mA, IC Regulated Power Supply
 02. 6 V DC at 100 mA, IC Regulated Power Supply
 03. Implementation of Wheatstone Bridge in Temperature Control System
 04. Four Op-Amp. ICs
 05. Relay 12 V DC, one change over
 06. One NPN transistor
 07. 3 1/2 digits display panel meter, to display temperature in $^{\circ}C$
 08. RTD sensor with 3 pin connector
 09. One switch for setting temperature on one side and to read actual temperature on other side
 10. Potentiometer to control temperature
 11. AC mains socket to connect load whose temperature is to be controlled
 12. Adequate no. of other Electronic Components
 13. Mains ON/OFF Switch and Fuse 400 mA
- * The unit is operative on $230V \pm 10\%$ at 50Hz AC Mains
 - * 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

Other Apparatus Required:

- * Heater 1000 W 230V
- * Beaker

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in

