

# RTD TRAINER KIT

## Introduction

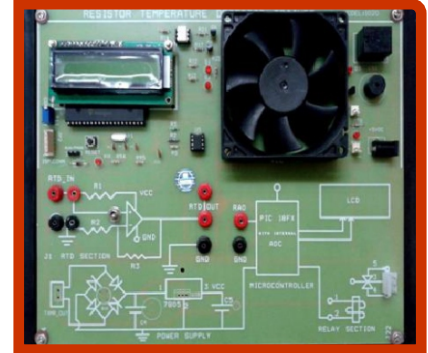
This trainer is used to perform all the experiments of **RTD TRAINER KIT** . It is useful for experimentation as well as project work . This trainer is designed in fashion, all sections can be operate individually. This is useful for and B.Tech And M.Tech. For research / Project work we give Re-programmable facility & PC interface with Lab view Easy to perform, This trainer is very useful for **ECE, EEE, EE, ME** and **I&C Eng** streams.

## SPECIFICATIONS

- The complete circuit of RTD Transducer printed on P.C.B.
- Based On PIC Micro controller
- On Board LCD 16x2 display.
- For Alarming and control Relay switch to cut off system at high temperature with buzzer indication.
- Test points to measure resistance change according to temperature input.
- 12v Operated fan to cool down RTD sensor Temperature.
- On Board Power supply.

## EXPERIMENTS

- To Learn Fundamental Of RTD measurement and control .
- To detect temperature of hot water with the help of \ RTD sensor and compare with set point temperature using glass thermometer.
- To Study resistance characteristics behavior of RTD sensor with respect to temperature coefficient.



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