

Product Name :
Temperature Measurement Tutor Trainer for Vocational Training and Didactic Labs

Product Code :
ETKN-0680



Description :

Equipment for Education, Engineering and Vocational Training - Temperature Measurement Tutor Trainer Temperature Measurement Tutor Trainer. Measurement And Control Of Temperature Using RTD. These systems are designed for measurement and control of temperature using RTD transducer.

1785

Technical Specification :

The unit consists of following built in parts:

- $\pm 12V$ DC at 100 mA, IC regulated power supply
- 6 V DC at 100 mA, IC regulated power supply
- Four op-amps ICs
- Relay 12 V DC, one change over
- One NPN transistor
- 3 1/2 digits display panel meter, to display temperature in $^{\circ}C$

- RTD sensor with 3 pin connector
- One switch for setting temperature on one side and to read actual temperature on other side
- Potentiometer to control temperature
- AC mains socket to connect load whose temperature is to be controlled
- Adequate no. of other electronic components
- 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

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