Order Code - 55780
Temperature Co-efficient of Resistance Of Conductors

55780 Experimental Set-Up has been designed specifically to determine the temperature coefficient of resistance of conductors like copper and iron. The set up consists of P.O. Box, Galvanometer, Thermometer and Stirrer, Two conductors, Lenlanche cell, Oil bath container, etc.
Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

01 To determine the temperature co-efficient of resistance of conductors like copper and iron.

FEATURES

The complete Experimental Set-up consists of the followings :

01 Post Office Box (Dial type) :
- The unit consists of the following built in parts .
- Four series dials of units, tens, hundreds and thousands.
- Two ratio arm dials each having connection for 1, 10, 100 and 1000 ohms.
- Terminals for connecting the Galvanometer and battery externally.
- Range of measurement from .001 ohms to 1111000 ohms.
- Resistance of 1 watt each, with accuracy of ±1%.
- Two Push to ON switch with two terminals each for easy connections.
- Weight : 1.3 Kg.(Approx.)
- Dimension : W 340 x H 125 x D 210

02 Supply for heater to heat mobil oil.
03 Galvanometer 50-0-50.
04 Leclanche Cell or substitute Cell Eliminator.
05 Thermometer 110°C and Stirrer.
06 One container fitted with bakelite top having six terminals, two terminals for connecting to supply for heater to heat mobil oil, two terminals for connecting to copper coil and other two terminals for connecting to iron coil with the holes for thermometer and stirrer.
07 Patch cords and connecting wires.
08 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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