



55742 Experimental Set Up has been designed specifically for finding the melting point of a given substance (wax), using Platinum Resistance Thermometer. The set up is absolutely self contained and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

01 To find the melting point of a given substance (wax), using Platinum Resistance Thermometer.

FEATURES

The Set up consists of the following :

- 01 Platinum Resistance Thermometer : Enclosed in a corning glass tube of approx. 50 cm length and 2 cm diameter. A fine platinum wire is wound on mica frame. Its resistance is approximately 2.8 ohms. The two platinum leads and two compensatory leads are connected to four terminals on a square block.
- 02 Carey Foster's Bridge - Four gaps, Sun-mica Top, with sliding jockey.
- 03 Galvanometer 30-0-30 ,65 mm round dial with push button controlled shunt, mounted on bake-lite stand.
- 04 Wire wound potentiometer mounted with three terminals 10W 1W.
- 05 Two fixed Resistors of 5W 10W.
- 06 Leclanche Cell or substitute Cell Eliminator.
- 07 One Way Key.
- 08 Adequate no. of connecting wires, 100cm long.
- 09 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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