



55885 Experimental Set Up has been designed specifically for to determine temperature co-efficient of resistance of metal (conductor 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 determine temperature co-efficient of resistance of metal (conductor 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 Electrical kettle with a hole on top cover for inserting a thermometer.
- 03 Thermometer, range of 360OC.
- 04 Digital Multimeter Hand-Held (3½ Digit).
- 05 Adequate no. of connecting wires, 100cm long.
- 06 The unit is operative on 230V  $\pm$ 10% at 50Hz A.C. Mains.
- 07 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

#### OTHER APPARATUS REQUIRED:

- 01 Mobil Oil.

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

