



55854 Experimental Set-Up has been designed specifically for measurement of Temperature Coefficient of Resistance for Platinum, using a Callender and Griffith's Bridge, Platinum Resistance Thermometer, Galvanometer, Battery Eliminator etc.

The set-up is complete in all respect and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

OBJECT

- 01 To measure the Temperature Coefficient of Resistance for Platinum, using a Platinum Resistance Thermometer, Callender and Griffith's Bridge.

FEATURES

The complete Experimental Set-up consists of the followings :

- 01 Callender and Griffith's Bridge.
- 02 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.
- 03 Galvanometer : 30-0-30, 65 mm round dial mounted on bakelite stand.
- 04 Battery Eliminator : 0-5V D.C. at 0.5 A, continuously variable regulated and short circuit protected.
- 05 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.
- 06 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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