Order Code - 55849
Calibration of Ballistic Galvanometer With A Standard Solenoid And To Find Ballistic Constant

55849 Experimental Set Up has been designed specifically for Calibration of Ballistic Galvanometer with a Standard Solenoid and to find Ballistic Constant. 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 Calibrate a Ballistic Galvanometer with a Standard Solenoid and to find Ballistic Constant.

FEATURES

The Set up consists of the following :

01 Ballistic Galvanometer :
It consists of moving coil having a fairly large periodic time and large moment of inertia. The phosphor bronze suspension strip prevents shifting of zero. Its deflection is closely proportional to current. The resistance of coil is about 500W and gives sensitivity per microcoulomb at one metre distance of about 600 mm.

02 Lamp and Scale :
Lamp is of cast aluminum with heavy iron adjustable stand. It is fitted with 8 volt electric bulb through built in transformer and works on 220V A.C. Translucent perspex scale graduated in 25-0-25 cm.

03 Standard Solenoid :
Mounted on bakelite board 55cm. long primary coils having at 500 turns and secondary coils having tapping at 50, 100, 150, 200 turns. Each coil is provided with separate terminals and No.of turns marked.

04 Battery Eliminator : 2 - 12V, 4 Amp.

05 Current Meter : (0 - 4 Amp.)

06 Reversing Key.

07 Adequate no. of connecting wires, 50cm long.

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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