



55847 Experimental Set Up has been designed specifically to Compare the Mutual Inductances of two pairs of coils. 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 Compare the Mutual Inductances of two pairs of coils.

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 500Ω and gives sensitivity per micro coulomb 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 is used.
- 03 Battery Eliminator :
- 04 Fixed mutual inductor value of inductance 50 mH.
- 05 Fixed mutual inductor value of inductance 100 mH.
- 06 Two Nos. Decade Resistance Box, Three dial in step of 1, 10 & 100 Ohm total 1110 Ohms.
- 07 Reversing Key.
- 08 Tapping key.
- 09 Adequate no.of connecting wires.
- 10 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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