



55792 Experimental Set-Up has been designed specifically to determine resistance & current sensitivity of moving coil galvanometer by Kelvin's method using Post Office box. The set-up consists of Post Office Box, Galvanometer, Decade resistance box, Leclanche cell, D.C. voltmeter, Reversing switch, Plug key, etc.

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

OBJECT

- 01 To determine the resistance of moving coil galvanometer by Kelvin's method using P.O. Box.
- 02 To determine the current sensitivity of moving coil galvanometer.

FEATURES

The complete Experimental Set-up consists of the followings :

01 POST OFFICE BOX (Dial type):

The unit consists of the following built in parts :

- 1.1 Four series dials of units, tens, hundreds and thousands.
- 1.2 Two ratio arm dials each having connection for 1, 10, 100 and 1000 ohms.
- 1.3 Terminals for connecting the Galvanometer and battery externally.
- 1.4 Range of measurement from .001 ohms to 1111000 ohms.
- 1.5 Resistance of 1 watt each, with accuracy of $\pm 1\%$.
- 1.6 Two Push to ON switch with two terminals each for easy connections.

02 GALVANOMETER 50-0-50

03 D.C. VOLTMETER 1.5V

04 DECADE RESISTANCE BOX with 30 steps, 10 to 11,100 ohms.

05 Leclanche Cell or substitute Cell Eliminator O.

06 REVERSING SWITCH

07 PLUG KEY, 1 way

08 PATCH CORD & CONNECTING WIRES

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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