

**RESISTANCE AND CURRENT SENSITIVITY  
OF MOVING COIL GALVANOMETER  
USING POST OFFICE BOX  
OMEGA TYPE ES-292**



**OMEGA TYPE ES-292** 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)  
OMEGATYPE POB-180

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 OMEGA TYPE MO-65
- 03 D.C. Voltmeter 2V OMEGA TYPE MO-65
- 04 Decade Resistance Box with 30 steps, 10 to 11,100 ohms. OMEGA TYPE DRBC-115B
- 05 Cell Eliminator OMEGA TYPE CE-1V5.
- 06 Reversing Switch
- 07 Adequate no. of connecting wires.
- 08 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

**OMEGA ELECTRONICS**