

**CALIBRATION OF AN AMMETER /  
VOLTMETER WITH THE HELP OF A  
POTENTIOMETER (FOR MOVING COIL  
/ IRON & DYNAMOMETER TYPE)  
OMEGA TYPE ES-423**



**OMEGA TYPE ES-423** Experimental Set Up has been designed specifically to calibration of an ammeter / voltmeter with the help of a potentiometer (for moving coil / iron & dynamometer type) .

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 calibration of an ammeter with the help of a potentiometer (for moving coil / iron & dynamometer type).
- 02 To calibration of an voltmeter with the help of a potentiometer (for moving coil / iron & dynamometer type).

#### FEATURES

The Experiment Set up consists of the following :

- 01 Potentiometer : 10 Wires, fitted with pulleys on Laminated Board, Piano type jockey with 10 contact points OMEGATYPE POT-185.
- 02 0-5V D.C. at 100mA, continuously variable regulated and short circuit protected

- 03 0-5V D.C. at 3A, continuously variable regulated and short circuit protected
- 04 Standard resistance 1 Ohm/10W
05. Standard resistance 10 Ohm/2W
- 06 Galvanometer 30-0-30G (with push button controlled shunt)
- 07 D.C. Ammeter, 65mm rectangular dial, To read 0-3A
- 08 D.C. Voltmeter, 65mm rectangular dial, To read 0-3V
- 09 Daniel cell substitute Cell Eliminator Voltage 1V08 at 100mA
- 10 Two way switch
11. Mains ON/OFF switch, Fuse and Jewel light.
12. The unit is operative on 230V  $\pm$ 10% at 50 Hz. AC Mains.
13. Weight : 10.3 Kg. (Approx.)
14. Adequate no. of connecting wires.
15. 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.

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