

**DETERMINATION OF E.C.E. OF COPPER  
USING A COPPER VOLTAMETER AND  
TANGENT GALVANOMETER  
OMEGA TYPE ES-359**



**OMEGA TYPE ES-359** Experimental Set-up has been designed specifically to determine E.C.E. of copper using a Copper Voltmeter and Tangent Galvanometer. The set-up consists of Copper Voltmeter, Tangent Galvanometer, Battery eliminator, Reversing Key, Digital stop clock etc. The set-up is complete in all respect and requires no other apparatus. Practical experience on this set up carries great educative value for Science and Engineering Students.

**OBJECT**

01 To determine E.C.E. of copper using a Copper Voltmeter and Tangent Galvanometer.

**FEATURES**

The Complete Experimental Set up consists of the following :

- 01 Copper Voltmeter.
- 02 Tangent Galvanometer : having bakelite ring of 6" dia with three windings of 2, 50 and 500 turns, Compass box and the ring both can be rotated independently of the base which is fitted with leveling screws OMEGA TYPE TG-192.

- 03 Battery Eliminator, OMEGA TYPE BE-5/3 0-5V D.C. at 3A, continuously variable regulated and short circuit protected .
- 04 Reversing Key.
- 05 Adequate no. of connecting wires, 100cm long.
- 06 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

**OTHER APPARATUS REQUIRED :**

- 01 Digital Stop Clock OMEGA TYPE DSC-602 with START/STOP operation by means of toggle switch & RESET by a push button switch. It has a range of 999.9 seconds with resolution of 0.1 seconds and accuracy of  $\pm 0.01\%$  (Quartz controlled). Display is thorough 4 no's of 12.5mm bright Seven Segment Displays and working voltage of the unit is  $230V \pm 10\%$  50Hz.
- 02 Physical Balance with weight box.

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

**OMEGA ELECTRONICS**