



**OMEGA TYPE ES-335** Experimental setup has been designed specifically to calculate phasor sum of current in an ac circuit is zero. The setup is complete in all respect and requires no other apparatus.

Practical experience on this setup carries a great educative value for Science and Engineering students.

### OBJECT

01 To verify that in an ac circuit at any Junction, phasor sum of the currents is zero.

### FEATURE

The board consists of the following built-in parts :

- 01 Moving Iron AC portable Voltmeter / : Housed in bakelite case with knife edge pointer & anti parallax mirror scale of Ammeter/ Wattmeter 140mm length, spring controlled movement, having accuracy class 1.0.
- 1.1. AC Ammeter : Three Moving Iron AC Ammeter 0-10Amp.
- 1.2. AC Voltmeter : One Moving Iron AC Voltmeter 0-300V.
- 1.3. Wattmeter single phase dynamometer : Current Coil CT 5/10Amp. Type Potential Coil PT 75/150/300V.
- 02 Two sets-Fixed Resistance in four steps : Uses Four heating rods of 50-70 Ohm, 750 Watt each, fixed on cement asbestos sheet of size 15.75 x 11.75 mm, Output are on terminal with connecting series connections by four switches, to obtain different resistance 50-70, 100-140, 150-210 & 200-280 Ohm, approx for each set .
- 03 Inductor : Value 175 mH Approximate
- 04 The unit is operative on 230VAC  $\pm 10\%$  at 50Hz.
- 05 Set of connecting wires.
- 06 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**

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