

OMEGA TYPE ES-202 Experimental Set Up has been designed specifically to determine the power factor of an A.C. circuit using Joule's Calorimeter. 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

To determine power factor of A.C. circuit by Joule's Calorimeter.

FEATURES

The Set up consists of the following :

01. One board consists of the following built-in parts :
 - 1.1 0-3V D.C. at 2A continuously variable power supply.
 - 1.2 0-3V A.C. at 2A continuously variable (on load) power supply.
 - 1.3 D.C./A.C. Voltmeter, 65mm round dial to read 0-3V.
 - 1.4 D.C./A.C. Ammeter, 65mm round dial to read 0-2A.
 - 1.5 Mains ON/OFF switch, Fuse and Jewel light.
02. Joule's calorimeter (Electrical) with stirrer.
03. Thermometer 0° to 110°C.

- * Weight : 4 Kg. (Approx.)
- * Dimension : W 300 x H 140 x D 200
- * Adequate no. of patch cords stackable 4mm spring loaded plug length ½ metre.
- * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

OTHER APPARATUS REQUIRED

- * 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 through 4 no's of 12.5mm bright Seven Segment Displays and working voltage of the unit is 230V $\pm 10\%$ 50Hz
- * 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

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