



OMEGA TYPE ETB-111 Experimental Training Board has been designed specifically for the study of L-R circuit with a source of alternating E.M.F. The board is absolutely self contained and requires no other apparatus.

Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

To study L-R circuit with a source of alternating E.M.F. and thus to determine :

- 01 The power factor, $\cos \phi$ of the inductive load.
- 02 The equivalent power loss resistance of the inductor.
- 03 The inductance of the inductor.
- 04 The phase difference between applied voltage and that across resistance.

FEATURES

The board consists of following built-in parts :

- 01 Mains transformer having secondary tapings at 20V, 30V, 40V, 50V & 60V at 500mA.
- 02 3 Digital Voltmeter DC 3½ Digit range 0-200VAC
- 03 Digital Ammeter DC 3½ Digit range 0-2Amp AC
- 04 One inductor of which inductance & resistance has to be measured.
- 05 One high wattage resistance.
- 06 Mains ON/OFF switch, Fuse and Jewel light.
- 07 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 08 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 11 Weight : 6.500 Kg. (Approx.)
- 12 Dimension : W 415 x H165 x D315

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

OMEGA ELECTRONICS