



OMEGA TYPE ETB-110 Experimental Training Board has been designed specifically for the study of a Transformer. Various measurements can be easily done on a transformer. 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 transformer for the following :

- 01 Transformation Ratio.
- 02 Copper loss.
- 03 The efficiency of transformer.

FEATURES

The board consists of following built-in parts :

- 01 Mains transformer with primary 230V at 50Hz and secondary output 0-10VAC. at 1 Amp.
- 02 A.C./D.C. Voltmeter, 65mm round dial, for measuring the mains input to the transformer of 0-250V.
- 03 A.C./D.C. Milliammeter, 65mm round dial, for measuring the primary circuit current of 0-100mA.
- 04 A.C./D.C. Voltmeter, 65mm round dial, for measuring the secondary voltage of 0-15V.

- 05 A.C./D.C. Ammeter, 65mm round dial, for measuring the secondary circuit current of 0-1 Amp.

- 06 High Wattage rating potentiometer for transformer's primary voltage variations.

- 07 High Wattage rating potentiometer to be used as a load for the secondary circuit.

- 08 Adequate no. of other electronic components.

- 09 Mains ON/OFF switch, Fuse and Jewel light.

- 10 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.

- 11 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.

- 12 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

- 13 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

- 14 Weight : 5.200 Kg. (Approx.)

- 15 Dimension : W415 x H165 x D 315

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

OMEGA ELECTRONICS