



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 0-10V A.C. 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 230V  $\pm$ 10% at 50Hz A.C. Mains.
11. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 1/2 metre.
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. Dimension : (W) 400 x (H)300 x (D) 165mm

Note: Specifications are subject to change.