



36201 Experimental Training Board has been designed specifically for the complete study of the phase difference in L.C.R. circuits. A selection of L,C and R values have been provided and phase difference in various combinations of L-C, L-R, C-R and L-C-R circuits can be studied in depth. 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 particularly for Students of B.Sc and 10+2 classes.

Object

1. To study the phase difference in L-C, L-R, C-R and L-C-R circuits by Vector diagram method.
2. To study the phase difference in L-C, L-R, C-R and L-C-R circuits by Superposition method.

Features

The board consists of the following built-in parts:

1. Mains step down transformer having secondary tapplings at 10V, 20V, 30V, 50V, 80V, 100V at 150mA and a separate winding for standard voltage (Vs) supply of 12V at 100mA.
2. Digital AC Voltmeter, 3½ Digit ranges 0-200V.
3. Wire wound potentiometer, four inductors & adequate no. of other electronic components.
4. Mains ON/OFF switch, Fuse and Jewel light.
5. The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
6. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections.
7. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
8. Weight : 6.300 Kg. (Approx.)
9. Dimension : W415 x H165 x D315.

List of Accessories:

1. Patch cords 4 mm length 50cm Red.....06.
2. Patch cords 4 mm length 50cm Black.....03.

Note: Specifications are subject to change.