RESPONSE CHARACTERISTICS OF LCR NETWORK WITH AN A.C. SOURCE
OMEGA TYPE MCH-11

OMEGA TYPE MCH-11 Experimental Training Board has been designed specifically to Response characteristics of LCR Network with an A.C. Source.

OBJECT

01 To determine the equivalent power loss resistance of an inductor.

02 To analyse a complex LR circuit by drawing vector diagrams.

03 To analyse a complex RC circuit.

04 To study a circuit with two inductors in series.

05 To study a circuit with two capacitors in series.

06 To study if VL and VC are always in the opposite phase.

07 To study the impedance of an LCR circuit.

08 To study the phase relationship in a series LCR circuit.

09 To study the Q of a series LCR resonant circuit.

FEATURES

The board consists of the following built-in parts :

01 Transformer having secondary tappings of 10V, 20V, 30V, 40V, 50V and 100V A.C. at 100mA.

02 Digital AC Voltmeter 3½ Digit Dual range 20V/200V to read AC Voltages

03 Adequate no. of other electronic components.

04 Mains ON/OFF switch, Fuse and Jewel light.

05 The unit is operative on 230V ±10% at 50Hz A.C. Mains.

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

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

08 Strongly supported by detailed Operating Instructions.

09 Weight   : 3 Kg. (Approx.)

10 Dimension : W 340 x H125 x D 210.

OTHER APPARATUS REQUIRED:

01 Sine square wave oscillator
OMEGA TYPE SS-305

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