OMEGA®

A SIGN OF QUALITY PRODUCT

STUDY OF R.C. CIRCUITS WITH VARYING EMF
OMEGA TYPE ETB-133

OMEGA TYPE ETB-133 Experimental Training Board has been designed specifically for the study of RC Circuit with varying EMF.

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

OBJECT

01 To study RC Circuit with varying EMF.

EXPERIMENTS

01 To study the charging of a capacitor with pulses of width greater than the time constant of the circuit.

02 To study the charging with rectangular pulses of width much less than the time constant of the circuit.

03 To study the charging with short rectangular pulses of equal and unequal widths (t << RC).

04 To repeat experiment 1, 2 & 3 with pulses of different shapes.

05 To study an RC Circuit with a diode as an integrating system.

06 To study an integrating RC Circuit with alternating input.

07 To study the integrating system with a sinusoidal input.

FEATURES

The board consists of the following built-in parts:

01 Mains transformer having secondary tappings at 20V and 40V A.C. at 100mA.

02 Digital Panel Meter having D.C. voltage ranges 0-20V and 0-200 Volts.

03 A toroidal rheostat 500 ohms, 10W.

04 Diode, switch and adequate no. of other electronic components.

05 Mains ON/OFF switch and fuse.

06 The unit is operative on 230VAC ±10% at 50Hz.

07 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.

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

09 Weight : 2.500 Kg. (Approx.)

10 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED :

01 Variable Power Supply OMEGA TYPE ICV-30/1.

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

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