OMEGA®

A SIGN OF QUALITY PRODUCT

MULTIVIBRATORS (SOLID STATE)

OMEGA TYPE ETB-95

OMEGA TYPE ETB-95 Experimental Training Board has been designed specifically for the study of Multivibrator circuits. Apart from basic circuits some special techniques have also been included.

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

OBJECT

To study multi vibrator circuits.

01 Design of multi vibrators.
02 To study the waveforms / characteristic of a free running multivibrator (Astable).
03 To design and make a bistable multivibrator and to study its D.C. conditions.
04 To design and make a monostable multivibrator and to adjust its delay time.
05 To design and make schmitttrigger and study its hysteresis.
06 To control the frequency of a free running multivibrator with applied voltage.
07 To design and make a gated free running multivibrator.
08 To design and make an improved free running multivibrator.

FEATURES

The board consists of the following built-in parts :

01 ±9V D.C. at 100mA, IC regulated Power Supply.
02 0-9V D.C. at 5mA, IC regulated Power Supply.
03 Digital DC Voltmeter 3/½ Digit range 0-20V.
04 Pulser for triggering the circuit.
05 Sine wave oscillator 1KHz output 0-1VApp.
06 Three NPN transistors.
07 Adequate no. of other Electronic Components.
08 Mains ON/OFF switch, Fuse and Jewel light.
09 The unit is operative on 230VAC ±10% at 50Hz.
10 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
11 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
12 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
13 Weight : 3.700 Kg. (Approx.)
14 Dimension : W340 x H125 x D 210

OTHER APPARATUS REQUIRED:

01 Dual trace CRO 20MHz OMEGA TYPE CRO-20

OMEGA ELECTRONICS

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