



**OMEGA TYPE ETB-153** Experimental Training Board has been designed specifically for the study of various Applications of the Timer IC 555.

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

**OBJECT**

- 01 To study Pulse Generator using IC-555.
- 02 To study Timer using IC-555.
- 03 To study Sequential Timer using IC-555.
- 04 To study Pulse Width Modulator (PWM) using IC-555.
- 05 To study Time Delay Circuits using IC-555.

**FEATURES**

The board consists of the following built-in parts :

- 01  $\pm 9V$  D.C. at 60 mA, IC Regulated Power Supply internally connected.
- 02 Pulse Carrier Generator with frequency of  $2\text{ KHz} \pm 10\%$ .
- 03 Sine Wave Generator with frequency of  $100\text{ Hz} \pm 10\%$ .
- 04 Pulser capable of generating a negative going pulse.
- 05 LED driver circuit for time delay circuits.

- 06 Two Timer ICs 555.
- 07 Two Rotary Switches and adequate no. of other electronic components.
- 08 Mains ON/OFF switch, Fuse and Jewel light.
- 09 The unit is operative on  $230\text{VAC} \pm 10\%$  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 : 2.00 Kg. (Approx.)
- 14 Dimension : W 340 x H 125 x D 210

**OTHER APPARATUS REQUIRED :**

- 01 Digital Stop Clock OMEGA TYPE DSC-602
- 02 Dual Trace CRO 20MHz OMEGA TYPE CRO-20

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

**OMEGA ELECTRONICS**