

Experimental Training Board has been designed specifically to study various applications of Timer IC 555. This Training Board is useful to realise 50% Duty Cycle Oscillator, Ramp Generator, Time Delay Circuit, Sequence Generator, Schmitt Trigger, Monostable Multivibrator, Astable Multivibrator, Pulse Width Modulator, Pulse Position Modulator etc.

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

Object:

To study different applications of Timer IC 555.

Experiments:

To study the following :

01. Astable Multivibrator.
02. Mono-Stable Multivibrator.
03. Frequency Divider.
04. Linear Ramp Generator.
05. Square Wave Generator.
06. Missing Pulse Detector.
07. Pulse Width Modulation.
08. Pulse Position Modulation.
09. Schmitt Trigger.
10. Sequence Generator.
11. Bistable Multivibrator.
12. Simple Clock Generator.



Features:

The board consists of the following built-in parts :

01. +10 V at 100mA, IC regulated Power Supply.
 02. Sine-Square Wave Generator of 100 Hz and 1 KHz respectively, using ICs.
 03. Two Timer Ics 555.
 04. Two Diodes and one PNP transistor.
 05. Two Potentiometers.
 06. Adequate no. of other electronic components.
 07. Mains ON/OFF switch and Jewel light.
- * The unit is operative on 230V \pm 10% at 50Hz A.C. Mains.
 - * Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 1/2 metre.
 - * Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

- * VTVM
- * Dual Trace Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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