



Experimental Training Board has been designed specifically for the study of Free Running (Astable) Multivibrator circuit. A free running multivibrator circuit is frequently used as a simple means of generating square wave signal.

Practical experience on these boards carries great educative value for Science and Engineering Students.

**Object:**

01. To study the operation of a Transistor Free (Astable) Running Multivibrator.
02. To study the waveform at various places on the Free Running Multivibrator Circuit.
03. To study the operation of improved free Running multivibrator and to observe the output wave shape.

**Features:**

The board consists of the following built-in parts :

01. +9V D.C. at 50mA, IC regulated Power Supply internally connected.
  02. Two NPN transistors.
  03. Two potentiometers.
- \* Adequate no. of other electronic components.
  - \* Mains ON/OFF switch, Fuse 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 ½ 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:**

- \* Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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