

Product Name :
Multivibrators (Solid State)

Product Code :
NLAB-ELECTRONICSAB420025

Description :

Multivibrators (Solid State)

Technical Specification :

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 multivibrator circuits.

Experiments:

01. Design of multivibrators.
02. To study the waveforms of a free running multivibrator.
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 schmitt-trigger 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 :

1. $\pm 9V$ D.C. at 100mA, IC regulated Power Supply.
2. 0-9V D.C. at 5mA, IC regulated Power Supply.
3. Digital Voltmeter DC $3\frac{1}{2}$ Digit range of 0-20V.
4. Pulser for triggering the circuit.
5. Three NPN transistors.
6. Adequate no. of other Electronic Components.
7. 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 $\frac{1}{2}$ metre.

Other Apparatus Required:

Cathode Ray Oscilloscope 20MHz

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