



Experimental Training Board has been designed specifically for the study of Schmitt's Trigger Circuit based on IC- 741. This Training Board is quite useful in studying the hysteresis associated with the schmitt trigger and the effect of feedback on threshold voltages.

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

**Object:**

To study Schmitt's Trigger Circuit for the following.

01. Upper threshold voltage
02. Lower threshold voltage
03. Hysteresis
04. Effect of feedback on threshold voltage

**Features:**

The board consists of the following built-in parts :

01.  $\pm 15V$  D.C. At 50mA, IC regulated Power Supply internally connected
  02. OP-AMP IC-741
  03. Single Pole Five Way Switch
  04. Adequate no. of other electronic components.
  05. Mains ON/OFF switch and Fuse.
- \* 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.
  - \* 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:**

- \* Dual Trace Cathode Ray Oscilloscope, 15MHz
- \* Function Generator

Note: Specifications are subject to change.

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