



Experimental Training Board has been designed specifically for the study of Differential Comparator IC-710. This training board covers most of applications of IC-710 and makes the student familiar with its parameters and their measurements. In this training board, we can also study of IC-710 as a voltage comparator and schmitt trigger.

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

Object:

- 01. To study and measure the following basic parameters :
- 01. Open loop gain.
- 02. Differential input resistance.
- 03. Output resistance.
- 04. Input offset voltage.
- 05. Input offset current.
- 06. Full power response.
- 02. Study of useful applications of IC-710 :
- 01. Use of IC-710 as a voltage comparator.
- 02. Use of IC-710 as a Schmitt trigger.

Features:

The board consists of the following built-in parts:

- 01. +12V D.C. at 100mA, IC regulated Power Supply.
- 02. -6V D.C. at 100mA, IC regulated Power Supply.
- 03. D.C. Voltmeter, 65mm rectangular dial, with switch selectable ranges of 1V and 15V.
- 04. Differential comparator IC-710.
- 05. Two SPST toggle switches.
- 06. Two sets of three inter-connected sockets for multi-connections where ever required.
- 07. Adequate no. of other electronic components.
- 08. 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 2mm spring loaded plug length $\frac{1}{2}$ metre.
- * Good Quality, reliable terminal/sockets are provided at appropriate places on panel/sockets 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:

- * Decade Audio Frequency Generator
- * A.C. Millivoltmeter
- * Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

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