



OMEGA TYPE ETB-89 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 :-

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.

Study of useful applications of IC-710 :

- 07 Use of IC-710 as a voltage comparator.
- 08 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 Digital D.C. Voltmeter ranges 20V.
- 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.
- 09 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 10 Adequate no. of patch cords stackable from rear both ends 2mm spring loaded plug length 50cm.
- 11 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
- 12 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 13 Weight : 2.800 Kg. (Approx.)
- 14 Dimension : W 340 x H125 x D210(mm)

LIST OF ACCESSORIES:

- 01 Patch cords 4mm length 50cm Red.....05
- 02 Patch cords 4mm length 50cm Black.....15

OTHER APPARATUS REQUIRED:

- 01 Audio Frequency Sine Wave Generator OMEGATYPEAO-300.
- 02 A.C. Millivoltmeter OMEGATYPEACV-25
- 03 Dual trace CRO 20MHz OMEGATYPE CRO-20

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS