



**OMEGA TYPE ETB-55** Experimental Training Board has been designed specifically to study the Silicon Controlled Rectifier phase firing and D.C. control characteristics. It is a training aid for advance studies in control circuits.

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

### OBJECT

- 01 To study the DC gate control characteristics (firing characteristics) of a SCR.
- 02 To study and plot the anode current characteristics of a SCR.
- 03 To measure the holding current of a SCR.
- 04 To study the plot the phase firing characteristics of a SCR.

### FEATURES

The Board consists of the following built-in parts:

- 01 0 to 50V DC at 50mA, continuously variable Power Supply for Anode.
- 02 0 to 3V DC at 50mA, continuously variable Power Supply for Gate.
- 03 0-10V AC at 50Hz, variable Power Supply for Anode.
- 04 Digital Voltmeter DC 3½ Digit having Dual range of 20V/200V.

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

- 05 Digital Current meter DC 3½ Digit having range of 0-200mA.
- 06 Silicon Controlled Rectifier .
- 07 Fixed limiting resistances .
- 08 Adequate no. of other electronic components.
- 09 Mains ON/OFF switch, Fuse and Jewel light.
- 10 The unit is operative on 230VAC ±10% at 50Hz.
- 11 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug, length 50cm.
- 12 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 13 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 14 Weight : 2.600 Kg. (Approx.)
- 15 Dimension : W 340 x H 125 x D 210

### OTHER APPARATUS REQUIRED :

- 01 Vacuum Tube Voltmeter OMEGA TYPE VTV-10.
- 02 Dual trace CRO 20MHz OMEGA TYPE CRO-20