



46552 Power Electronic Training Board has been designed specifically for the study Illumination control using SCR. The board is absolutely self contained and requires no other apparatus.

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

Object

- 01 To study the Illumination control using SCR.

Features

The board consists of the following built-in parts:

- 01 An Isolation Transformer having output 230V AC at 100mA.
- 02 Uni Junction Transistor.
- 03 Silicon Control Rectifier (SCR).
- 04 Bridge rectifier for making D.C. voltage.
- 05 Lamp load.
- 06 Potentiometer to control Illumination.
- 07 Zener diode.
- 08 Adequate no. of other Electronic Components.
- 09 Mains ON/OFF switch, Fuse and Jewel light.
- 10 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 11 Adequate no. of patch cords stackable 4 mm 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 : 2.800 Kg. (Approx.)
- 15 Dimension : W 340 x H125 x D 210.

Note: Specifications are subject to change.