



OMEGA TYPE PET-417 Power Electronic Training Board has been designed specifically for the study of SCR Triggering circuits.

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

OBJECT

To study the SCR Triggering circuits using

- 01 Resistor (R) Triggering circuit
- 02 Resistor - capacitor (R-C) Triggering circuit
- 03 Uni-junction Transistor (UJT) Triggering circuit (UJT relaxation Oscillator)
- 04 Half-wave controlled rectifier
- 05 Full-wave controlled rectifier.

FEATURES

The board consists of the following built-in parts:

- 01 18VA.C. at 100mA A.C. Power Supply.
- 02 9V DC at 100mA Zener Regulator Power Supply.
- 03 Two Silicon controlled rectifier (SCR).
- 04 Uni-junction Transistor.
- 05 Pulse transformer 1:1.
- 06 Two potentiometer for varying load.

07 Two potentiometer one for controlling SCR firing angle and other for controlling UJT firing angle.

08 Adequate no. of other Electronic Components.

09 Mains ON/OFF switch, Fuse and Jewel light.

10 The unit is operative on 230V \pm 10% at 50Hz A.C. Mains.

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 : 3 Kg. (Approx.)

15 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED :

- 01 Dual trace CRO 20MHz OMEGA TYPE 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