



**OMEGA TYPE PET-418** Power Electronic Training Board has been designed specifically study of single phase half wave controlled converter.

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

#### OBJECT

01 Study and obtain the waveforms for single-phase half wave controlled converter.

#### FEATURES

The board consists of the following built-in parts:

- 01 230VA.C. Isolated Transformer, Power 50 watt.
- 02 9V D.C. at 100mA Zener Regulated Power Supply.
- 03 Silicon Controlled Rectifier (SCR).
- 04 Uni Junction Transistor.
- 05 Pulse transformer 1:1.
- 06 Potentiometer for controlling UJT firing angle.
- 07 Bulb 40W, 230V A.C.
- 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 : 6 Kg. (Approx.)

15 Dimension : W 415 x H 165 x D 315.

#### OTHER APPARATUS REQUIRED:

01 Dual trace CRO 20MHz OMEGA TYPE CRO-20 with Isolation Transformer for unearthing.

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

## OMEGA ELECTRONICS