



OMEGA TYPE PET-457 Power Electronic Training Board has been designed specifically to single phase half wave & bridge (Full Wave) controlled rectifier.

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

OBJECT

- 01 To study the single phase half wave controlled rectifier & observe the effect of firing angle of wave form.
- 02 To study the bridge (Full wave) controlled rectifier & observe the effect of firing angle of wave form.

FEATURES

The board consists of the following built-in parts:

- 01 230V A.C. Isolated Transformer, Power 50 watt.
- 02 9V D.C. at 100mA Zener Regulated Power Supply.
- 03 Two UJT.
- 04 Four SCR's.

- 05 Two Pulse transformer 1:1:1.
- 06 Two Potentiometers 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 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 Weight : 6.100 Kg. Approx
- 14 Dimension : W 415 x H 165 x D 315mm

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