



OMEGA TYPE PET-444 Power Electronic Training Board has been designed specifically for the study of Zero voltage switching board.

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

OBJECT

01 To study operation of zero voltage switching of thyristor.

FEATURES

The board consists of the following built-in parts:

- 01 A transformer to give low AC voltage to Thyristor and DC voltage to transistor.
- 02 Two diode used as fullwave rectifier.
- 03 One diode to avoid -ve voltage to collector of NPN transistor.
- 04 ANPN transistor.
- 05 A Thyristor.
- 06 Adequate no. of other Electronic Components.

- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

11 Weight : 1.900 Kg. (Approx.)

12 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED:

- 01 Digital Multimeter OMEGA TYPE DMM-201.
- 02 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.

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