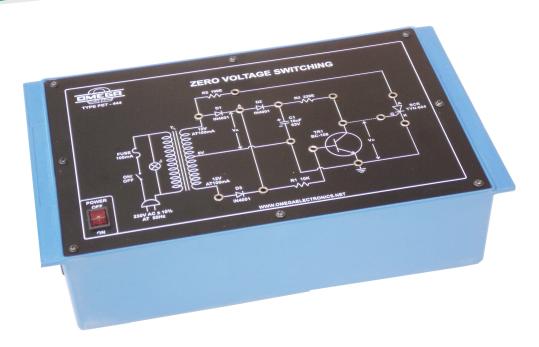


## ZERO VOLTAGE SWITCHING

**OMEGATYPE PET-444** 



**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.

A SIGN OF QUAI

# **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 AThyristor.
- 06 Adequate no. of other Electronic Components.

- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230VAC ±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 | D : 1.900 Kg. (Approx.)
- 12 Dimension : W 340 x H 125 x D 210

#### OTHER APPARATUS REQUIRED:

- 01 Digital Multimeter OMEGATYPE DMM-201.
- 02 Dual trace CRO 20MHz OMEGATYPE 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**