



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:

To study operation of zero voltage switching of thyristor.

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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. A NPN transistor.
 05. A Thyristor.
 06. Adequate no. of other Electronic Components.
 07. Mains ON/OFF switch, Fuse and Jewel light.
- * The unit is operative on $230V \pm 10\%$ at 50Hz A.C. Mains.
 - * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

- * Digital Multimeter - Order Code 16901
- * Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed/with isolation transformer for unearthing).

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in

