



Power Electronic Training Board has been designed specifically to study and obtain the single phase fully controlled bridge converter.

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

**Object:**

To study and obtain the single phase fully controlled bridge converter.

**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.
- \* The unit is operative on 230V  $\pm$ 10% at 50Hz A.C. Mains.
- \* Adequate no. of patch cords stackable 4 mm spring loaded plug length 1/2 metre.
- \* Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.

**Other Apparatus Required:**

- \* Dual Trace Cathode Ray Oscilloscope 20 MHz (Unearthed)/with Isolation Transformer for unearthing.

Note: Specifications are subject to change.

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