



Power Electronic Training Board has been designed specifically to single phase half wave & bridge 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 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.
- * 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 meter.
- * 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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