



Power Electronic Training Board has been designed specifically for UJT Firing Circuit of SCR.

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

Object:

To study UJT Firing Circuit of SCR.

FEATURES

The board consists of the following built-in parts:

01. An isolation transformer 230V A.C. 200mA. This protects external instruments for damage if they are not isolated.
 02. Bridge rectifier for making D.C. voltage.
 03. Uni Junction Transistor.
 04. Zener Diode.
 05. Silicon Controlled Rectifier (SCR).
 06. Pulse Transformer.
 07. Potentiometer to Control Firing Angle.
 08. Lamp load.
 09. Adequate no. of other Electronic Components.
 10. 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 ½ meter.
 - * 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:

- * Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed)

Note: Specifications are subject to change.

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