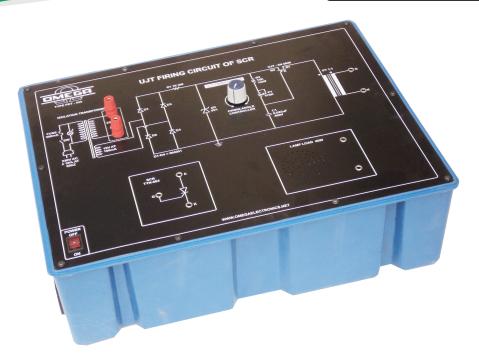


# **UJT FIRING CIRCUIT OF SCR**

**OMEGATYPE PET-434** 



**OMEGA TYPE PET-434** 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**

01 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 Lampload.

- 09 Adequate no. of other Electronic Components.
- 10 Mains ON/OFF switch, Fuse and Jewel light.
- 11 The unit is operative on 230VAC ±10% at 50Hz.
- 12 Adequate no. of patch cords stackable 4 mm spring loaded plug length 50cm.
- 13 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 14 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 15 Weight : 7 Kg. (Approx.)
- : W 415 x H165 x D315mm. 16 Dimension

#### OTHER APPARATUS REQUIRED:

01 Dual trace CRO 20MHz OMEGATYPE CRO-20

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## **OMEGA ELECTRONICS**