



Power Electronic Training Board has been designed specifically for the study of the step down voltage commutated thyristorised chopper.

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

Object:

To study the step down voltage commutated thyristorised chopper.

Features:

The board consists of the following built-in parts:

01. $\pm 12\text{V D.C.}$ at 100mA IC regulated power supply internally connected.
 02. 5V D.C. at 100mA IC regulated power supply internally connected.
 03. Bridge Rectifier for making D.C. voltage.
 04. UJT as relaxation oscillator.
 05. Op-Amp. IC.
 06. Timer IC.
 07. Hex Inverter Gate IC.
 08. Two SCR's.
 09. Two pulse transformer 1:1:1.
 10. Two NPN transistor.
 11. Two SPST switch.
 12. Push-To-On switch.
 13. Free wheeling diode.
 14. Inductors.
 15. Bulb 12V, 6W.
 16. Adequate no. of other Electronic Components.
 17. Mains ON/OFF switch, Fuse and Jewel light.
- * The unit is operative on $230\text{V} \pm 10\%$ at 50Hz A.C. Mains.
 - * Adequate no. of patch cords stackable 4 mm spring loaded plug length $\frac{1}{2}$ metre.
 - * 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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