



To study Step Up & Step Down Chopper. Practical experience on the board carries great educative value for Science and Engineering Students.

**Object:**

To study Step Up & Step Down Transistor Chopper..

**Feature:**

The board consists of the following built in parts :

01. +12V DC at 1.5 Amp, IC Regulated Power Supply internally connected.
  02. -12V DC at 200 mA, IC Regulated Power Supply internally connected.
  03. IC for Triangular wave pulse generation.
  04. OP amplifier.
  05. Choke 40mH.
  06. Lamp 230V 15watt.
  07. DC Motor 12 V.
  08. Adequate no. of other Electronic Components.
  09. Mains ON/OFF switch, Fuse & Jewel light.
- \* The unit is operative on 230V  $\pm$ 10% at 50Hz AC
  - \* Adequate no. of patch cords stackable from rear both ends 4mm 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 Channel Cathode Ray Oscilloscope 20MHz.

Note: Specifications are subject to change.

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