



Power Electronic Training Board has been designed specifically for study of Single Phase Transistorised Bridge Inverter.

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

**Object:**

To study the Single Phase Transistorised Bridge Inverter.

**Features:**

The board consists of the following built-in parts:

01. Three  $\pm 12V$  DC at 30mA Regulated Power Supply.
  02. One +12V DC at 200mA Regulated Power Supply.
  03. One +5V DC at 100mA Regulated Power Supply.
  04. Two Monostable Multivibrator IC.
  05. Quad Exclusive -OR gate IC.
  06. Hex Inverter IC.
  07. Four Opto-coupler IC.
  08. Twelve NPN Transistor.
  09. Four PNP Transistor.
  10. Four Power NPN Transistor.
  11. One Potentiometer .
  12. 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  $\frac{1}{2}$  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)
- \* Isolation transformer 50W for unearthing the oscilloscope

Note: Specifications are subject to change.

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