

Power Electronic Training Board has been designed specifically for the study of SCR Parallel Inverter.

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

**Object:**

To study the SCR Parallel Inverter.

**FEATURES**

The board consists of the following built-in parts:

01. 12V DC at 100mA fixed regulated Power Supply.
  02. 12V DC at 3 Amp. Power Supply.
  03. 9-0-9 V AC at 3 Amp. transformer
  04. UJT to generate ramp.
  05. IC-1 to drive Tr. 4 and Tr. 5.
  06. Tr. 4 and Tr. 5 for generation of pulses.
  07. Pulse transformer 1:1:1.
  08. Tr. 1, 2 and 3 for relay operation.
  09. Two SCRs.
  10. Two push-to-ON switches for putting inverter ON/OFF.
  11. Relay 12V DC.
  12. 25 watt. Lamp with Socket.
  13. Adequate no. of other electronic components.
  14. Mains ON/OFF switch, Fuse and Jewel light.
- \* The unit is operative on 230V  $\pm$ 10% at 50Hz A.C. Mains.
  - \* 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)/with isolation transformer for unearthing.

Note: Specifications are subject to change.

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