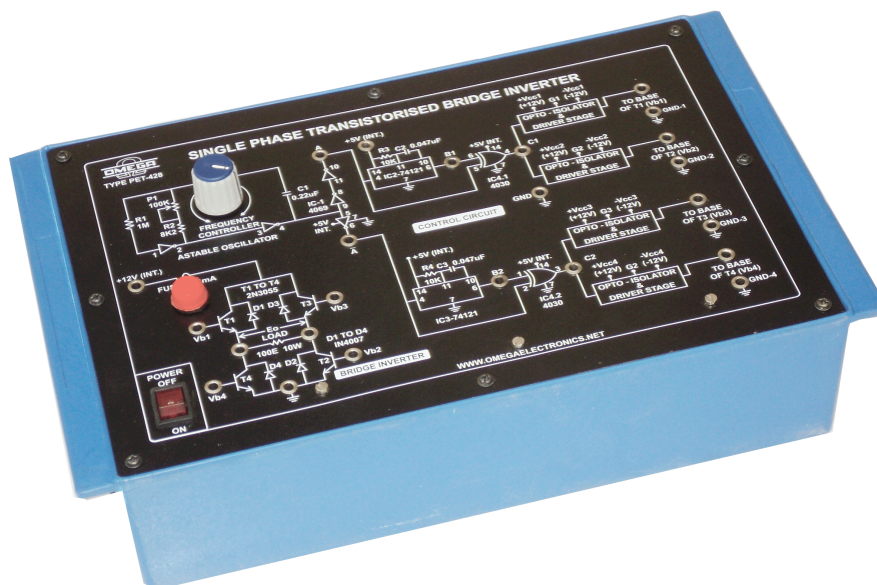


SINGLE PHASE TRANSISTORISED BRIDGE INVERTER

OMEGA TYPE PET-428



OMEGA TYPE PET-428 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

01 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.
- 13 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 14 Adequate no. of patch cords stackable 4 mm spring loaded plug length 50cm.
- 15 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 16 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

- 17 Weight : 3.200 Kg. (Approx.)
- 18 Dimension : W340 x H 125 x D210

OTHER APPARATUS REQUIRED :

- 01 Dual trace CRO 20MHz OMEGA TYPE CRO-20
- 02 Isolation transformer 50W for unearthing the oscilloscope, OMEGA TYPE TXF-03.

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

OMEGA ELECTRONICS