



OMEGA TYPE PET-425 Power Electronic Training Board has been designed specifically for the study of the firing circuit for single-phase converter using cosine-wave comparator scheme.

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

OBJECT

01 To Study firing circuit for single-phase converter using Cosine-Wave Comparator Scheme.

FEATURES

The board consists of the following built-in parts:

- 01 6VAC at 100mA, AC Power Supply.
- 02 $\pm 12V$ DC at 100mA fixed regulated Power Supply.
- 03 Six Op-Amps IC.
- 04 Triple, 3 input AND gate IC.
- 05 Four NPN Transistor.
- 06 Two Potentiometer.
- 07 Two Pulse Transformer 1:1:1.
- 08 Adequate no. of other Electronic Components.
- 09 Mains ON/OFF switch, Fuse and Jewel light.

10 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.

11 Adequate no. of patch cords stackable 4 mm spring loaded plug length 50CM.

12 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

13 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

14 Weight : 4.00 Kg. (Approx.)

15 Dimension : W 415 x H 165 x D 315

OTHER APPARATUS REQUIRED:

- 01 Dual trace CRO OMEGA TYPE CRO-20
- 02 OPTIONAL : Unit for above experiment to work as a load having
- 03 Isolation Transformer 50 watt.
- 04 Lamp 40 watt * SCR 400V 4A

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

OMEGA ELECTRONICS