Order Code - 46539
Firing Circuit Using Ramp Comparator Scheme

Power Electronic Training Board has been designed specifically for the study of the firing circuit for single-phase converter using Ramp Comparator Scheme.

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

Object:
To study the firing circuit for single-phase converter using Ramp Cooperator Scheme.

Features
The board consists of the following built-in parts:
01. 6V AC at 100mA AC Power Supply.
02. ±12V DC at 100mA fixed regulated Power Supply.
03. Two Op-Amp's. IC
04. Quad, Ex-OR gate IC.
05. Triple, 3 input AND gate IC.
06. Hex inverter gate IC.
07. Quad, two input AND gate IC.
08. Two NPN Transistor.
09. Potentiometer for reference voltage adjustment.
10. Pulse Transformer 1: 1.
11. Adequate no. of other Electronic Components.
12. Mains ON/OFF switch, Fuse and Jewel light.
* The unit is operative on 230V ±10% at 50Hz A.C. Mains.
* Adequate no. of patch cords stackable 4 mm spring loaded plug length ½ 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)
* OPTIONAL : Unit for above experiment to work as a load having
* Isolation Transformer 50 watt.
* Lamp 40 watt
* SCR 400V 4A
* Mains ON/OFF switch, Fuse & Jewel light.

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.
IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in