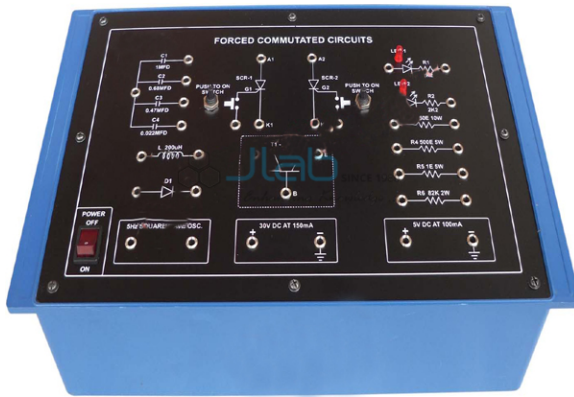


Product Code . JL-PET-1438

Forced Commutated Circuits



Description

Forced Commutated Circuits

- Power Electronic Training Board has been designed specifically for to study the forced commutated circuits.
- Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

- To study the forced commutated circuits
- Class - A or self commutation by resonating the load
- Class - B or self commutation by an LC circuit
- Class - C or commutation through charged capacitor switched by another load carrying SCR
- Class - D or commutation through charged capacitor switched by an auxiliary SCR
- Class - E or an External pulse source commutation

Features:

The board consists of the following built-in parts :

- 30V D.C. at 150mA Fixed Power Supply
- 5V D.C. at 50mA Fixed Power Supply
- 5Hz Square wave Oscillator
- UJT Triggering Circuit for SCR's
- Two PUSH-TO-ON switch
- NPN Transistor
- Inductor

-
- Diode & LED
 - Capacitor Bank
 - Adequate no. of other Electronic Components
 - 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 $\frac{1}{2}$ metre
 - 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

Weight:

- 3 Kg. (Approx.)

Dimension:

- W 340 x H 110 x D 210

Other Apparatus Required:

- Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed)

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