46912 Three phase Controlled Rectifier has been specifically designed to understand the working of Three phase controlled Rectifier with various load configurations. It also helps the students to understand the working of SCR firing fundamentals.

Features

1. Inbuilt DC Power Supply
2. Flexibility to configure Half, Semi and Bridge Rectifer Circuit
3. Equipped with firing circuit to study and analyse waveforms
4. Provided with suitable test points to observe ouptut at different blocks
5. Equipped with fixed value of R, L & Motor Load
6. Easy to operate
7. Diagrammatic representation for the ease of connections
8. Designed by considering all the safety standards

Object

1. Half Wave Rectifier (Common Cathode Configuration) with R Load
2. Half Wave Rectifier (Common Cathode Configuration) with RL Load
3. Half Wave Rectifier (Common Cathode Configuration) with Motor Load
4. Half Wave Rectifier (Common Anode Configuration) with R Load
5. Half Wave Rectifier (Common Anode Configuration) with RL Load
6. Half Wave Rectifier (Common Anode Configuration) with Motor Load
7. Bridge Rectifier with R Load
8. Bridge Rectifier with RL Load
9. Bridge Rectifier with Motor Load
10. Firing Circuit
11. Half Wave Controlled Rectifier with R load
12. Half Wave Controlled Rectifier with RL load
13. Half Wave Controlled Rectifier with Motor load
14. Semi converter with R load
15. Semi converter with RL load
16. Semi converter with Motor load
17. Bridge Rectifier with R load
18. Bridge Rectifier with RL load
19. Bridge Rectifier with Motor load

Technical Specifications

On Board Firing Circuit	:	Ramp Comparator Method
Interconnections	:	2mm sockets
SCR Assembly	:	SCR 2P4M
Test points	:	16 in numbers
Fuse	:	1A
DC Power Supply	:	+12V,-12V, +5V; 0.5A
Power Supply	:	230V ±10%, 50Hz
Three Phase Power Supply	:	External
Dimensions (mm)	:	W 345 x D 240 x H 110
Weight	:	1.5kg (approximate)

Note: Specifications are subject to change.

14.02.2024
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