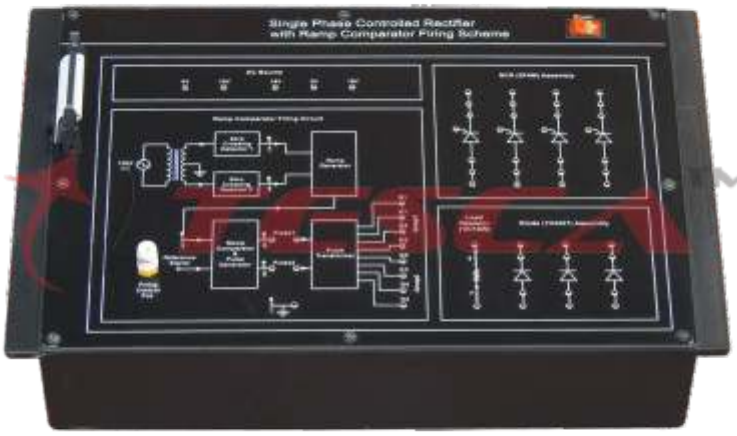

46920 is a platform which helps Students to understand the various concepts of Ramp comparator firing scheme for Single phase controlled rectifier. 46920 is also useful for Students to understand the various rectifier configurations like half wave, full wave, bridge, symmetrical & asymmetrical configurations.

This platform is provided with the built in AC & DC power supplies, sockets for making different interconnections in the circuit and exhaustive learning material.

Features

1. Built in Power Supply
2. Easy to operate and understand
3. Firing circuits on single board
4. Gradual firing angle control upto 180 degree
5. Test points to observe output of different blocks
6. On board AC sources of 15 V and 18 V
7. More than six experiments can be performed on single board.

Object

1. Ramp Comparator Firing Scheme
2. Half Wave Controlled Rectifier
3. Full Wave Controlled Mid Point Rectifier
4. Fully Controlled Bridge Rectifier
5. Common Anode Configuration
6. Common Cathode Configuration
7. Asymmetrical Configuration

Technical Specifications

On board AC source	:	0 V - 15 V,18 V - 0 V - 18 V
On board firing circuits	:	Ramp comparator firing scheme
Interconnections	:	2 mm sockets
SCR assembly	:	4 SCRs 2P4M, 400 V/ 2 A
Power Supply	:	220V/110V, 50 Hz / 60 Hz
Test points	:	8 nos
Interconnection	:	2 mm socket
Dimensions (mm)	:	W 420 x D 255 x H 100
Weight	:	2 Kg. (approximately)
Operating Conditions	:	0-40oC, 85% RH
Included Accessories	:	2mm Patch cord 16" : 18 nos. Mains cord : 1 no.

Optional :

1. Simtel Power Electronics Simulation Software

Note: Specifications are subject to change.

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