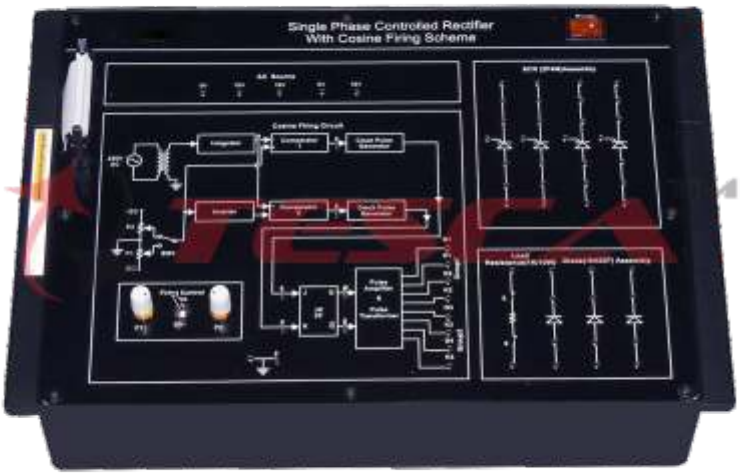

46921 is a platform which helps Students to understand the various concept of Cosine wave firing scheme for single phase controlled rectifiers. 46921 is also useful for Students to perform controlled rectifiers on various configurations like half wave, full wave, bridge, symmetrical & symmetrical configurations. This platform is provided with 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. Gradual firing angle control upto 180 degree
4. Test points to observe output of different blocks
5. On board AC sources of 15 V and 18 V
6. More than six experiments can be performed on single board

Object

Study of:

1. Cosine 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	:	Cosine firing scheme
SCR Assembly	:	4 SCRs 2P4M, 400 V/2 A
Mains Supply	:	220V/110V, 50 Hz / 60 Hz
Test points	:	9 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 (Red) 16" : 6 nos. 2mm Patch cord (Black) 16": 6 nos. 2mm Patch cord (Blue) 16" : 6 nos. Mains cord : 1 no.

Optional :

1. Simtel Power Electronics Simulation Software

Note: Specifications are subject to change.

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