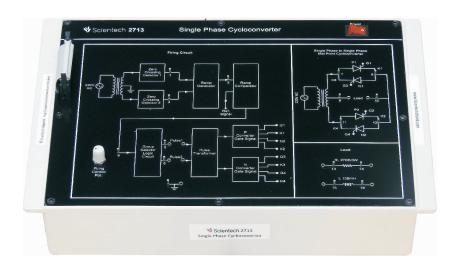
Single Phase Cycloconverter Scientech 2713



Scientech 2713 Single Phase Cycloconverter is a platform which is very useful for Students to understand the concept of Thyristor firing method & working of single phase cycloconverter on various load configurations. 2713 is provided with inbuilt AC/DC power supplies & exhaustive learning material.

Features

- Built in Power Supply
- Easy to operate and understand
- On board firing circuits
- Gradual firing angle control upto 180°
- Test points to observe output of different blocks
- Sockets for making interconnections

Scope of Learning

- Study firing circuit of single-phase cycloconverter.
- Study single phase mid point cycloconverter with resistive and inductive load.

Technical Specifications

On board firing circuits: Ramp comparator firing scheme

Interconnections: 2mm sockets

Firing angle variation: Gradual variation from 0 to 180 degree

SCR assembly : 4 SCRs 2P4M, 400V/2A

Pulse transformer : PT4503 , 1:1:1

Mains Supply : 220V/110V, 50 Hz / 60 Hz

Load : Resistance-279E, 5W

Test points : 9 nos

Product Tutorial : Online on

Dimensions (mm) : W 420 x D 255 x H 100
Weight : 1 Kg. (approximately)

Operating Conditions : 0-40°C, 85% RH

Included Accessories: 2mm Patch cords (blue) 16"- 5 nos.

Mains cord-1 no.

Optional:

Simtel Power Electronics Simulation Software