



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 www.ScientechLearning.com
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