



**46914** is a learning platform which is very useful for Students to understand the concept of thyristor firing method & working of DC to DC conversion on various load configurations. Platform is provided with inbuilt DC power supply & exhaustive learning material.

### Features

1. Built in DC Power Supply
2. On board firing circuit
3. Test points provided to check the outputs at different blocks
4. Easy to operate and understand
5. Sockets provided to make different connections

### Object

1. Study SCR Firing Circuit.
2. Study Step-Up Chopper with resistive load.
3. Study Step-Up Chopper with resistive inductive load.

### Technical Specifications

On board firing circuit	:	Triangular wave compartor firing scheme
Frequency variation	:	27 Hz to 5 KHz (approx.)
PWM variation	:	0 - 50%
Interconnections	:	2 mm sockets
SCR assembly	:	SCR TYN 616, 600 V, 16A
Test points	:	5 nos
Mains Supply	:	220V/110V; 50 Hz / 60Hz
Dimensions (mm)	:	W 420 x D 255 x H 100
Weight	:	1 Kg. (approximately)
Operating Conditions	:	0-40oC, 85% RH
Included Accessories	:	2mm Patch cords (Red) 16"-1 no. 2mm Patch cords (Black) 16"-1 no. 2mm Patch cords (Blue) 16"-8 nos. Mains cord-1 no.

### Optional

1. Simtel Power Electronics Simulation Software

Note: Specifications are subject to change.

