



46915 is a learning platform which is very useful for Students to understand the concept of DC to DC chopper on various load configuration. 46915 is provided with inbuilt Power Supply and 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. DC motor 24V 500mA with 100 RPM as Load
5. Easy to operate and understand
6. Sockets provided to make different connections.

Object

1. Study SCR firing circuit
2. Study Step Down Chopper with resistive load
3. Study Step Down Chopper with resistive – inductive load
4. Study Step down Chopper with inductive (motor) load

Technical Specifications

On board firing circuit	:	Triangular wave comparator scheme
Frequency variation	:	27 Hz to 5 KHz (approx.)
PWM variation	:	0 - 90%
DC motor	:	24 V / 0.5 A, 100 RPM
Interconnections	:	2 mm sockets
SCR assembly	:	SCR 2P4M, 400V/2A
Test points	:	5 nos
Mains Supply	:	220/110V, 50 Hz / 60Hz
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 (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.