



**46907** Single Phase Bridge Inverter has been specifically designed to understand the working of Bridge Inverter with various load configurations. It also helps the Students to understand the working of SCR firing fundamentals.

#### Features

1. Built in Power Supply
2. On board firing circuit
3. Easy to operate and understand
4. Sockets provided to make different connections

#### Object.

1. Study of Variable DC voltage section
2. Study of Single Phase Bridge Inverter with resistive - capacitive load
3. Study of Single Phase Bridge Inverter with inductive - capacitive load
4. Study of Single Phase Bridge Inverter with resistive inductive & capacitive load

#### Technical Specifications

On board firing circuit	:	Ramp Comparator method
Interconnections	:	2 mm sockets
SCR	:	SCR 2P4M 400V/2A
Mains Supply	:	220V/110V, 50Hz / 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"-10 nos. Mains cord: 1 no.

#### Optional :

1. Simtel Power Electronics Simulation Software

Note: Specifications are subject to change.