

VIJAYANTA

VIJAI ELECTRONICS
28/147, CIVIL LINES
ROORKEE - 247667

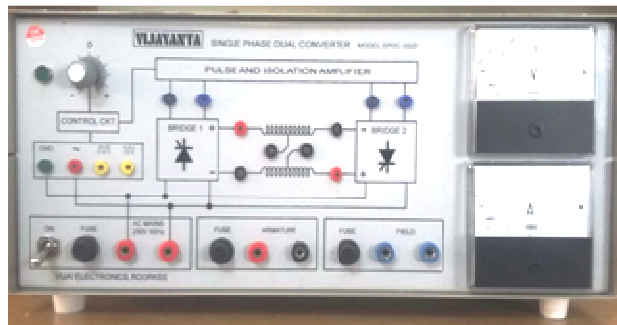


ISO - 9001-2008
Certificate No. WSC-215028-A

SINGLE PHASE DUAL BRIDGE CONVERTER,

MODEL – SPDC – 302 D.

Single Phase Dual Converter, Model – SPDC – 301 has been designed to explain the operation of Single Phase Dual Converter. It consists of two fully digitally controlled converters. connected in anti-parallel and it operates in circulating current mode. The converter output voltage varies from positive maximum to negative maximum It is very suitable for high power variable speed drives. All cares have been taken to make this unit convenient and simple in working. The dual converter unit is fully self content only a general purpose C.R.O. and multimeter is required to perform experiments.



All component are mounted on a glass epoxy P.C.B. Basic block diagrams is printed on the front panel and all test points are brought out to the banana sockets mounted on front panel for observations.

Experiment to be performed :

1. To study the operation of single phase dual converter :
 - (a) With Resistive Load.
 - (b) With Inductive Load or.
 - (c) With Motor load.

ACCESSORIES REQUIRED :

1. General purpose Dual Trace Oscilloscope.
2. Multimeter.