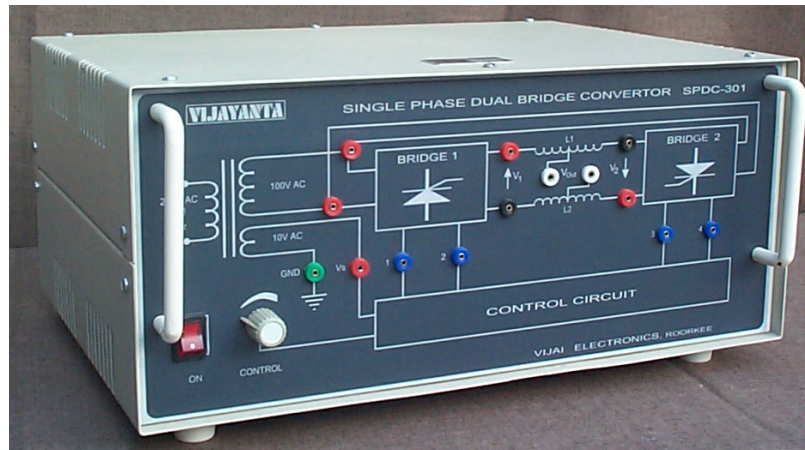


SINGLE PHASE DUAL BRIDGE CONVERTER, MODEL : SPDC – 301.



Single Phase Dual Converter, Model – SPDC – 301 has been designed to explain the operation of Single Phase Dual Converter. It consists of two fully 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 components are mounted on a glass epoxy P.C.B. Basic block diagrams are printed on the front panel and all test points are brought out to the banana sockets mounted on the front panel for observations.

- Weight : 6.5Kg Approximately
- Dimension : 250mm × 350mm × 150mm

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.

Note: There may be any change in specification due to continuous R & D without notice.

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