



OMEGA TYPE DB-18 Servo Voltage Stabilizer Dynamic Demonstrator cum Trainer has been designed with a view to provide practical/experimental knowledge of Servo Voltage Stabilizer of the latest circuit based on ICs and Triacs.

Complete circuit schematic is drawn on the panel with various controls at required places. The training of the demonstration board will give a thorough understanding of technics used for Servo Voltage Stabilizer. Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

- 01 To check Variation of output voltage by changing input voltage.
- 02 To check the waveform.
- 03 To check Input Under voltage Indication.
- 04 To check Input Over voltage Indication.
- 05 To set and check desired output voltage.
- 06 To check the output Voltage Regulation ON LOAD.

SPECIFICATIONS

- 01 INPUT VOLTAGE RANGE : 160-260V, 50Hz single phase.
- 02 VOLTAGE CONTROL : IC based card.
- 03 SERVO MOTOR : Provided with exposed mechanism for studying the gear mechanism.
- 04 CAPACITY & CURRENT RATING: 500 VA, 2.17 Amp.
- 05 OPERATIONAL CONTROL : Auto & Manual (using push buttons).
- 06 PRESET FACILITY : Provided for precise voltage output in both Auto & Manual Mode.
- 07 WAVEFORM DISTORTION : The input waveform is reproduced truly at the output.
- 08 OUTPUT VOLTAGE : 230V A.C.
- 09 OUTPUT REGULATION : $\pm 1\%$.
- 10 METERING & INDICATIONS
 - 10.1 Output voltage by A.C. Voltmeter.
 - 10.2 Input voltage by A.C. Voltmeter.
 - 10.3 Output current by A.C. Ammeter.
 - 10.4 Low limit lamp indicator for input under voltage.
 - 10.5 High limit lamp indicator for input over voltage.
 - 10.6 Mains lamps for input A.C.
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 12 Weight : 27.2 Kg. (Approx.)
- 13 Dimension : W457 x H292 x D682

OTHER APPARATUS REQUIRED:

- 01 Single Phase Variac Input 0-230V Output 0-270V at 4Amp
- 02 Load Resistance 1000 Watts

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS