



OMEGA TYPE DB-13 Dynamic Demonstration Board has been designed specifically for the demonstration of VTVM circuit based on two vacuum tubes. Complete circuit schematic is drawn on the panel with various controls and sockets at required places. The required circuit for an experiment can be easily assembled with the help of patch cords. The design of this Demonstration Board enables a student to perform experiments to understand the basic concepts as also the working of complete VTVM.

Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

- 01 To study the balanced DC Amplifier circuit used in VTVM.
- 02 To calibrate a VTVM.
- 03 To compare a VTVM with an ordinary multimeter.

FEATURES

The board has the following features :

- 01 +150V DC at 20mA, unregulated H.T. Power Supply.
- 02 Complete circuit schematic drawn on the panel.
- 03 Various controls spread over the panel at appropriate places.
- 04 Apart from its utility as a training board this demonstration board can be used as a full fledged VTVM with the following specifications:
 - 4.1 AC, DC voltages in four ranges of 1V, 10V, 100V and 500V
 - 4.2 Resistance in four ranges of 0-1K, 0-10K, 0-100K, 0-1M
 - 4.3 High input impedance.
- 05 Mains ON/OFF switch, Fuse and neon indicator.
- 06 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 07 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
- 08 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 09 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 10 Weight : 5 Kg. (Approx.)
- 11 Dimension : W415 x H165 x D315(mm)

OTHER APPARATUS REQUIRED

- 01 Variable power supply 0-300V at 100 mA OMEGA TYPE ICV-300/01
- 02 Digital Multimeter $3\frac{3}{4}$ digit OMEGA TYPE DMM-201
- 03 Single Phase Variac Input 0-230V Output 0-270V at 2Amp

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

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