



**OMEGA TYPE DB-11** Dynamic Demonstration Board has been designed specifically for the study of the Cathode Ray Oscilloscope. All the test points and controls of the C.R.O. are spread on the front panel at appropriate places over the corresponding diagram. The diagram is neatly drawn on the panel in order to make the student understand the function of individual components or that of different blocks in easy manner.

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

#### OBJECT

- 01 Initial setting up for observation of signal waveform.
- 02 To study the effects of the following parameters :
  - 2.1 Time base (Sweep frequency) variation.
  - 2.2 Horizontal gain (X-amp) variation.
  - 2.3 Vertical gain (Y-amp) variation.
  - 2.4 Application of Synchronisation pulses.

#### FEATURES

The Board has the following features :

- 01 +18V D.C. at 100mA, regulated Power Supply.
- 02 +300V D.C. H.T. supply with two separately filtered output each rated at 20mA.
- 03 -1380V D.C. at 2mA, EHT supply.
- 04 3" Cathode Ray Tube (CRT), which is a separate assembly connected by a cable.
- 05 Bandwidth is D.C. to 1 MHz.
- 06 It has the following blocks with test sockets at appropriate places and control knobs fitted on the panel :

- 6.1 Time base (sweep frequency) generator.
- 6.2 X-Amplifier.
- 6.3 Y-Amplifier.
- 6.4 Sync Generator.
- 07 Mains ON/OFF switch, Fuse and neon indicator.
- 08 The unit is operative on 230V  $\pm$ 10% at 50Hz A.C. Mains.
- 09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- 10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 11 Weight : 8 Kg. (Approx.)
- 12 Dimension : W 415 x H 165 x D 315

#### OTHER APPARATUS REQUIRED:

- 01 Audio Frequency Generator  
OMEGATYPE AO-301
- 02 Digital Multimeter  $3\frac{3}{4}$  digit  
OMEGATYPE DMM-201

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

## OMEGA ELECTRONICS