



OMEGA TYPE ETB-152 Experimental Training Board has been designed specifically for the study of different OP-AMP applications.

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

OBJECT

To study the following OP-AMP applications:

- 01 Square Wave generator.
- 02 Pulse & Ramp generator.
- 03 Triangular Generator.
- 04 Sine Wave Generator using Wien Bridge, Phase Shift Network.
- 05 Active Filters :
 - 5.1 Low Pass Filter.
 - 5.2 High Pass Filter.
 - 5.3 Band Pass Filter.
 - 5.4 Notch Filter.
- 06 Voltage Regulators.
- 07 Null Detector.
- 08 D.C. Microammeter.

FEATURES

The board consists of the following built-in parts

- 01 $\pm 15V$ D.C at 25mA, IC Regulated Power Supply.
- 02 0-20V D.C at 100mA, continuously variable Power Supply.
- 03 D.C. Milliammeter, 65mm rectangular dial to read 0-1mA.

- 04 Two OP-AMP IC's 741.
 - 05 Three Linear Potentiometers.
 - 06 Two Zener Diodes and adequate no. of other electronic components
 - 07 Mains ON/OFF switch, Fuse and Jewel light.
- The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 08 Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length 50cm.
 - 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 : 3 Kg. (Approx.)
 - 12 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED

- 01 Digital Multimeter $3\frac{3}{4}$ digit OMEGA TYPE DMM-201
- 02 AF Generator OMEGA TYPE AO-300
- 03 A.C. Millivoltmeter OMEGA TYPE ACV-25
- 04 Dual trace CRO 20MHz OMEGA TYPE CRO-20

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