

SQUARE AND TRIANGULAR WAVE GENERATOR WITH POSITIVE AND NEGATIVE FEEDBACK

OMEGA TYPE ETB-165



OMEGA TYPE ETB-165 Experimental Training Board has been designed specifically for the study of Square and Triangular Wave Generator with Positive and Negative Feedback using OP-AMP ICs 741. This Training Board is designed using Schmitt Trigger, Integrator and Inverting Amplifier to generate Square & Triangular waves using feedback principle. Also there are potentiometric controls for the change in Frequency, Amplitude and Duty cycle of waveforms.

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

OBJECT

- 01 To Study Generation of Square wave & Triangular wave using Schmitt Trigger, Integrator and Inverting Amplifier.
- 02 To Study Principle of positive & negative feedback.

FEATURES

The board consists of the following built-in parts:

- 01 $\pm 15V$ D.C. at 50mA, IC regulated power supply internally connected.
- 02 Three OP-AMP ICs 741.
- 03 Adequate no. of Electronic Components.
- 04 Mains ON/OFF switch, Fuse and Jewel light.
- 05 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 06 Adequate no. of patch cords stackable from rear both ends 4 mm spring loaded plug length 50cm.
- 07 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
- 08 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 09 Weight : 1.800 Kg. (Approx.)
- 10 Dimension : W 340 x H 125 x D 210

OTHER APPARATUS REQUIRED :

- 01 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.

OMEGA ELECTRONICS