



OMEGA TYPE ETB-171 Experimental Training Board has been designed specifically for the study of Voltage to Frequency Converter using OP-AMP ICs 741. This Training Board gives a better understanding of the conversion of Input D.C. voltage into proportional output frequency.

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

OBJECT

To Study the conversion of Analogue D.C. voltage into proportional frequency with 50% duty cycle having linear relationship using Integrator, Schmitt Trigger and Master Slave J.K. flip flop in toggle mode.

FEATURES

The Board consists of the following built-in parts:

- 01 $\pm 15V$ D.C. at 50 mA, IC regulated power supply internally connected.
- 02 $+ 5V$ D.C. at 50mA, IC regulated power supply internally connected.
- 03 Digital DC Voltmeter $3\frac{1}{2}$ Digit range 0-20V.
- 04 Two OP-AMP ICs 741.
- 05 J.K. Flip Flop IC 4027.
- 06 Adequate no. of Electronic Components.
- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.
- 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 : 2.200 Kg. (Approx.)
- 12 Dimension : W 340 x H 125 x D 210

LIST OF ACCESSORIES:

- 01 Patch cords 4 mm length 50cm RED.....01
- 02 Patch cords 4 mm length 50cm BLACK.....01

OTHER APPARATUS REQUIRED :

- 01 Dual trace CRO 20MHz OMEGA TYPE CRO-20
- 02 Frequency counter 6 digit OMEGA TYPE DFC-20M

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

OMEGA ELECTRONICS

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