



OMEGA TYPE ETB-242 Experimental Training Board has been designed specifically for the study of OP-AMP CHARACTERISTICS ICs 741.

This Training Board has been an ideal teaching aid for different types of Electronic Circuits by using CHARACTERISTICS OF OP-AMP.

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

OBJECT

- 01 To study nullify the offset voltage of Op-Amp 741
- 02 To study measure the slew rate of Op-Amp IC 741
- 03 To study the inverting amplifier circuit using Op-Amp 741 (Using DC Power Supply & Function Generator).
- 04 To study the non-inverting amplifier using Op-Amp IC-741 (Using DC Power Supply & Function Generator).
- 05 To study the adder circuit in Inverting & Non Inverting Mode
- 06 To study the Averaging amplifier circuit in inverting configuration with three inputs
- 07 To study the Averaging amplifier circuit in non-inverting configuration with three inputs.
- 08 To study the difference amplifier circuit using Op-Amp 741
- 09 To study the subtractor circuit using Op-Amp 741.
- 10 To study the scaling amplifier in Inverting and Non-inverting configuration using Op-Amp 741.
- 11 To study the voltage follower using Op-Amp 741 (Using DC Power Supply & Function Generator).
- 12 To study the open-loop comparator using Op-Amp 741.
- 13 To study the Inverting Comparator as Schmitt trigger using Op-Amp 741 (Using DC Power Supply & Function Generator).

14 To study the differentiator circuit using Op-Amp 741.

15 To study the integrator circuit using Op-Amp 741.

16 To study of P-I (Proportional Integration) Action.

FEATURES

The board consists of the following built-in parts :

- 01 $\pm 15V$ D.C. at 50mA, IC regulated power supply internally connected.
- 02 Two 0-6V D.C. at 50mA, continuously variable power supplies.
- 03 One 0-10V D.C. at 50mA, continuously variable power supplies.
- 04 One $-10V$ D.C. at 50mA, IC regulated power supplies.
- 05 One DPM 3½ digits to read 0-20V.
- 06 Three OP-AMP ICs 741.
- 07 One Potentiometers.
- 08 Adequate no. of Electronic Components.
- 09 Mains ON/OFF switch & Fuse.
- 10 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C.
- 11 Adequate no. of patch cords stackable 4 mm spring loaded plug length 50cm.
- 12 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections & observation of waveforms.
- 13 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 14 Weight : 3.800 Kg. (Approx.)
- 15 Dimension : W 415 x H 165 x D 315

OTHER APPARATUS REQUIRED :

- 01 Function Generator OMEGA TYPE FG-321
- 02 Dual trace CRO 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

Works:

28E & F, Malviya Industrial Area,
Jaipur-302 017 (INDIA)
Phone: 0141-2751559

E-mail : info@omegaelectronics.net
omegajipur62@gmail.com

www.omegaelectronics.net

Marketing Division:

B-28, Fateh Singh Scheme, Opp. Rajputana
Palace Sheraton, Jaipur-302006 (INDIA)
Phone : 091-141-2375647, 2379223