



36318 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 :

1. To study nullify the offset voltage of Op-Amp 741
2. To study measure the slew rate of Op-Amp IC 741
3. To study the inverting amplifier circuit using Op-Amp 741 (Using DC Power Supply & Function Generator).
4. To study the non-inverting amplifier using Op-Amp IC-741 (Using DC Power Supply & Function Generator).
5. To study the adder circuit in Inverting & Non Inverting Mode
6. To study the Averaging amplifier circuit in inverting configuration with three inputs
7. To study the Averaging amplifier circuit in noninverting configuration with three inputs.
8. To study the difference amplifier circuit using Op-Amp 741
9. To study the subtractor circuit using Op-Amp 741.
10. To study the scaling amplifier in Inverting and Noninverting 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:

1. $\pm 15V$ D.C. at 50mA, IC regulated power supply internally connected.
2. Two 0-6V D.C. at 50mA, continuously variable power supplies.
3. One 0-10V D.C. at 50mA, continuously variable power supplies.
4. One -10V D.C. at 50mA, IC regulated power supplies.
5. One DPM $3\frac{1}{2}$ digits to read 0-20V.
6. Three OP-AMP ICs 741.
7. One Potentiometers.
8. Adequate no. of Electronic Components.
9. 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 :

1. Function Generator
2. Dual trace CRO

Note: Specifications are subject to change.