



Experimental Training Board has been designed specifically for the study of basic Applications of Operational Amplifier (OP-AMP) using IC-741.

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

Object:

To study the following applications of Operational Amplifier:

1. Inverting Amplifier.
2. Non-Inverting Amplifier.
3. Summing Amplifier or Adder.
4. Voltage Follower or Buffer Amplifier.

Features:

The board consists of the following built-in parts :

1. $\pm 15\text{V}$ D.C. at 50mA, IC Regulated Power Supply.
2. Three 0-2V D.C. at 100mA, continuously variable regulated Power Supplies.
3. OP-AMP IC 741.
4. Adequate no. of other electronic components.
5. Mains ON/OFF switch, Fuse and Jewel light.
6. The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
7. Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre.
8. Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
9. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

1. Digital Multimeter 3 $\frac{3}{4}$ digit
2. Audio Frequency Generator
3. Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.