

36303 Experimental Training Board has been designed specifically for the study of Scaling, Summer and Voltage follower using OP-AMP ICs 741.

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

## Object :

1. To study Scaling Amplifier, configured in such a way so that any type of transfer function i.e. Direct or Inverse with D.C. offset (+ve or -ve) can be scaled.
2. To study Summing amplifier or adder.
3. To study Voltage follower or Buffer Amplifier.
3.1 D.C. Voltage follower.
3.2 A.C. Voltage follower

## Features

The board consists of the following built-in parts:

1. $\pm 15 \mathrm{~V}$ D.C. at 50 mA , IC regulated power supply internally connected.
2. Three $0-10$ V D.C. at 50 mA , continuously variable power supplies.
3. Two DPM $3 ½$ digits to read $0-20 \mathrm{~V}$.
4. Two OP-AMP ICs 741.
5. Two Potentiometers.
6. Adequate no. of Electronic Components.
7. Mains ON/OFF switch, Fuse and Jewel light.
8. The unit is operative on $230 \mathrm{~V} \pm 10 \%$ at 50 Hz A.C. Mains.
9. 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: 3 Kg . (Approx.)
12. Dimension : W $340 \times \mathrm{H} 125 \times \mathrm{D} 210$

## List of Accessories:

1. Patch cords 4 mm length 50 cm Red............ 10 .
2. Patch cords 4 mm length 50 cm Black.......... 10 .

## Other Apparatus Required:

1. Digital Multimeter ( $33 / 4 \mathrm{digit}$ )
2. AF sine wave generator
3. Dual trace CRO 20 MHz

Note: Specifications are subject to change.

