



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.  $\pm$  15V D.C. at 50mA, IC regulated power supply internally connected.
- 2. Three 0-10V D.C. at 50mA, continuously variable power supplies.
- 3. Two DPM 3<sup>1</sup>/<sub>2</sub> digits to read 0-20V.
- 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 230V  $\pm$ 10% at 50Hz 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 x H 125 x D 210

# **List of Accessories:**

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

# **Other Apparatus Required:**

- 1. Digital Multimeter (3<sup>3</sup>/<sub>4</sub> digit)
- 2. AF sine wave generator
- 3. Dual trace CRO 20MHz

Note: Specifications are subject to change.

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