



Experimental Training Board has been designed specifically for the study of different OP-AMP applications.

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

Object:

To study the following OP-AMP applications:

01. Square Wave generator.
02. Pulse & Ramp generator.
03. Triangular Generator.
04. Sine Wave Generator using Wien Bridge, Phase Shift Network.
05. Active Filters :
 - 5.1 Low Pass Filter.
 - 5.2 High Pass Filter.
 - 5.3 Band Pass Filter.
 - 5.4 Notch Filter.
06. Voltage Regulators.
07. Null Detector.
08. D.C. Microammeter.

Features:

The board consists of the following built-in parts

01. $\pm 15V$ D.C at 25mA, IC Regulated Power Supply.
 02. 0-20V D.C at 100mA, continuously variable Power Supply.
 03. D.C. Milliammeter, 65mm rectangular dial to read 0-1mA.
 04. Two OP-AMP IC's 741.
 05. Three Linear Potentiometers.
 06. Two Zener Diodes and adequate no. of other electronic components
 07. Mains ON/OFF switch, Fuse and Jewel light.
- * The unit is operative on $230V \pm 10\%$ at 50Hz A.C. Mains.
 - * Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre.
 - * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

- * Digital Multimeter $3\frac{3}{4}$ digit
- * Audio Frequency Generator
- * A.C. Millivoltmeter
- * Cathode Ray Oscilloscope 20MHz

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in