



Experimental Training Board has been designed specifically for the study of Wien Bridge Audio Oscillator. This Training Board helps to understand the utilization of Audio Oscillator and obtain oscillations at different frequencies.

Practical experience on these boards carries great educative value for Science and Engineering Students.

**Object:**

To study Transistor Wien Bridge Audio Oscillator:

01. To study the main features of the Wien Bridge Audio Oscillator.
02. To obtain oscillation of different frequencies by varying R-C.
03. To study the frequency response of phase shift network.

**Features:**

The board consists of the following built-in parts :

01. -9V DC at 50mA, IC regulated Power Supply internally connected.
  02. Variable gang condenser.
  03. Potentiometer.
  04. Two PNP transistors.
- \* Adequate no. of other electronic components.
  - \* 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 ½ 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.
  - \* Weight : 3 Kg. (Approx.)
  - \* Dimension : W 340 x H 110 x D 210

**Other Apparatus Required:**

- \* A.C. Millivoltmeter
- \* Audio Frequency Generator
- \* Cathode Ray Oscilloscope 20 MHz

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