



Experimental Training board has been designed specifically to study of Wien bridge oscillator (Op-Amp version).

Experience on the board carries great educative value for Science & Engineering Students.

Object:

01. To construct a Wien-Bridge oscillator and determine the resistor ratio required to develop the correct degenerative feedback.
02. To vary the value of resistance and capacitance in the lead leg network and to observe the resultant frequency changes.

Features:

The board consists of the following built in parts :

01. $\pm 15V$ D.C. at 50mA. IC regulated power supply internally connected.
 02. OP-Amp IC.
 03. Feedback control by potentiometer.
 04. Nine frequencies selectable by two band switches.
 05. Adequate no. of other electronic components.
 06. Mains ON/OFF switch, Fuse and Jewel light.
- Unit is operative on $230V \pm 10\%$ at 50 Hz A.C. mains.
- * Good quality, reliable terminals/sockets are provided at appropriate places on panel for connections/observations of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

- * Cathode Ray Oscilloscope 20MHz.
- * Digital Frequency counter

Note: Specifications are subject to change.

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