OMEGA®

A SIGN OF QUALITY PRODUCT

WIEN BRIDGE OSCILLATOR
(OP-AMP 741)
OMEGA TYPE ETB-193

OMEGA TYPE ETB-193 Experimental Training board has been designed specifically to study of Wien bridge oscillator (Op-Amp 741).

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 with different frequency.

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 ± 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.
07 Unit is operative on 230VAC ± 10% at 50 Hz.
08 Good quality, reliable terminals/sockets are provided at appropriate places on panel for connections/observations of waveforms.
09 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
10 Weight : 2.00 Kg. (Approx.)
11 Dimension : W 340 x H125 x D 210

OTHER APPARATUS REQUIRED:

01 Dual trace CRO 20MHz OMEGA TYPE CRO-20
02 Digital Frequency counter OMEGA-TYPE DFC-20M

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