

# **VIJAYANTA**

**VIJAI ELECTRONICS**  
28/147, CIVIL LINES  
ROORKEE - 247667



## **STUDY OF WIEN BRIDGE OSCILLATOR,**

MODEL - WBO - 12.



### **FEATURES:**

- \*\* Circuit is engraved and components are mounted on the top of the decorated bakelite sheet to facilitate better and clear understanding.
- \*\* I. C. Regulated and short circuit proof  $\pm 15$ , Volt Power Supply suitable to the experimental board is builtin.
- \*\* A complete working manual containing theory, circuit details and operating instructions will be supplied alongwith experimental board.
- \*\* Stackable type connecting leads suitable to the terminals are supplied with the board for easy inter - connections and longer working life of the terminals.

### **EXPERIMENTS :**

1. To study the Frequency Response of the Phase Shift Oscillator.
2. Study of Frequency Variation with change in R.C. Combinations.
3. To study the effect of Amplifier gain variation on the Oscillations, i.e. the verification of the gain condition of barkhausen criteria.

### **OTHER APPARATUS REQUIRED :**

1. A General purpose C.R.O., Model - 201. To see the waveform shape.
2. Audio Frequency Oscillator, Model - 712.
3. True R.M.S. A.C. Millivoltmeter, Model - ACM - 536.  
(with builtin 1 KHz Oscillator).

**There may be any change in specification due to continuous R & D without notice.**