

**STUDY OF HALF - WAVE RECTIFIER WITH DIFFERENT  
TYPES OF FILTERS AND MEASUREMENT OF RIPPLE  
FACTOR, MODEL - HR - 02.**



**FEATURES :**

- \*\* Low Voltage AC supply for rectification purpose is used so that the wave shape can directly be seen on C.R.O.
- \*\* Semiconductor diodes are used for rectification purpose.
- \*\* For making different types of Filters, two Inductors and three Capacitors are provided.
- \*\* Circuit is printed on a painted aluminum sheet and component are mounted on the top of the sheet to give better and clear understanding.
- \*\* A complete working manual containing theory, circuit details and operating instruction supplied with the experimental board.
- \*\* Stackable type connecting leads suitable to the terminals are supplied with the board for easy inter - connections and longer life of the terminals.

**EXPERIMENTS :**

1. Study of Half - Wave Rectifier with Different combination of Filters and for different values of load resistance and measurement of ripple factor.

**OTHER APPARATUS REQUIRED :**

1. D.C. Milli meter. Range : 0 - 200, milli amps. 01 No.
2. D.C. Voltmeter. Range : 0 - 25, Volt. 01 No.
3. A General Purpose C.R.O. to see the input and Rectified wave Forms.
4. A Digital Multimeter for the measurement of A.C. Ripples.