

STUDY OF HALF-WAVE, FULL-WAVE AND BRIDGE RECTIFIERS WITH CAPACITOR FILTERS,

MODEL : CF – 10.

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.
- ** Diodes can be connected to make Half-Wave, Full-Wave and Bridge Rectifiers through a rotary switch.
- ** Three Capacitors are provided to make the Capacitor Filter.
- ** Circuit is printed on a painted aluminum sheet and components are mounted on the top of the panel 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.
- ** For the Measurement of Load Current, a variable load is provided.
- ** Weight : 2.5Kg Approximately
- ** Dimension : 210mm × 280mm × 82mm



EXPERIMENTS :

1. Study of Half – Wave Rectifier with Capacitor Filter.
2. Study of Full – Wave Rectifier with Capacitor Filter.
3. Study of Bridge Rectifier with Capacitor Filter.

OTHER APPARATUS REQUIRED :

1. D.C. Milliammeter. Range : 0 – 200, milli amps. 01 No.
2. D.C. Voltmeter. Range : 0 – 25, Volts. 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.

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

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