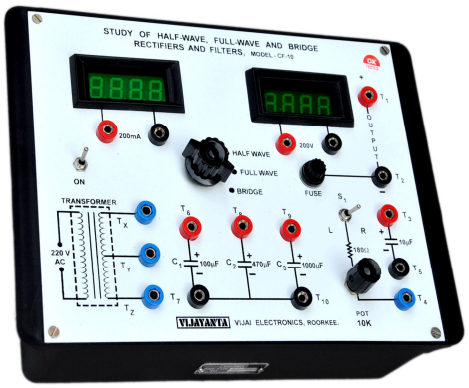
VIJAYANTA
VIJAI ELECTRONICS
28/147, CIVIL LINES
ROORKEE - 247667

WSC
ISO – 9001-2008
Certificate No. WSC-215028-A

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

MODEL – CF – 10.

F E A T U R E S :



** 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 component 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.

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.

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