

STUDY OF BRIDGE RECTIFIER WITH DIFFERENT TYPES OF FILTERS AND MEASUREMENT OF RIPPLE FACTOR,

MODEL : BR – 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 an aluminum sheet panel 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 instructions is 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.
- ** Weight : 3.2Kg Approximately
- ** Dimension : 280mm × 210mm × 82mm



EXPERIMENTS :

1. Study of Bridge Rectifier with different combinations of Filters and for different values of load resistance and measurement of ripple factor.

OTHER APPARATUS REQUIRED :

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| 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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