

STUDY OF S.C.R. PHASE CONTROL

MODEL : SCR - 07.



FEATURES :

- ** In the given board, circuit is engraved and component are mounted on the top of the decorated sunmica bakelite sheet to give better and clear under standing.
- ** Two Power Supplies (Approx. 50 Volt AC for anode / cathode and 10 Volt for triggering card) suitable for the experimental board are builtin.
- ** One panel meter as a Ammeter is connected in series with the load to take reading of rectified D.C. current.
- ** There is a linear pot provided on panel which gives changes in firing angle.
- ** Patch cords suitable to the terminals are supplied with the board for easy inter connections and longer working life of the board.
- ** A complete working manual containing theory, circuit details and operating instructions is supplied with the experimental board.
- ** **Weight :** 2 Kg. Approximately
- ** **Dimension :** 250mm × 325mm × 70mm

EXPERIMENTS :

1. To study S.C.R. Phase Control circuit response and to compare the output result with theoretical rectifier equation.
2. To study S.C.R. Phase Control output voltage and current to verify that it is a function of firing angle α .

OTHER APPARAUTS REQUIRED :

1. A General (Single Channel) purpose C.R.O.
2. Digital Multimeter.

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

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