

CHARACTERISTICS AND PARAMETERS MEASUREMENT OF TRIAC, MODEL - T - 09.

FEATURES :

- ** Regulated, continuously variable, short circuiting proof, two power supplies (Approximately 0 – 75, Volt for anode and 0 – 6, Volt for gate) suitable for the experimental board are builtin.
- ** Circuit is drawn on a decorated bakelite sheet and the components are mounted on the top of the panel for better and clear understanding.
- ** A complete working manual containing operating instruction, theory and circuit details will be supplied alongwith experimental set - up.
- ** Patch cords suitable to the terminals are supplied with the board for easy inter connections and longer working of the terminals.
- ** 50, Hz step down A.C. Signal for both anode and gate are builtin.
- ** Both AC and DC control of TRIAC firing can be studied.



EXPERIMENTS :

1. To plot the SCR Characteristics under different gate current conditions (Positive and Negative) for +MT2 and –MT2 and measurement for forward / reverse break-over voltage.
2. To measure the holding current I_H of the TRIAC.
3. Control of TRIAC firing angle with DC gate current.
4. Control of TRIAC firing with AC gate current.

OTHER APPARATUS REQUIRED :

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| 1. | Digital Voltmeter. | 0 – 200, Volt. | 01 No. |
| 2. | Digital Milliammeter. | 0 – 200, mAmp. | 01 No. |
| 3. | Digital Milliammeter. | 0 – 20, mAmp. | 01 No. |
| 4. | Digital Multimeter, Model – 4011. (“Sciencetech” make.) | | |
| 5. | A General purpose C.R.O., Model – 201. (“Sciencetech” make.) | | |