

## **CHARACTERISTICS OF BIDIRECTIONAL DIODE THYRISTOR (DIAC) AND MEASUREMENT OF ITS PARAMETERS,**

MODEL : D – 10.

### **FEATURES :**

- \*\* Built-in regulated, short circuit proof power supply suitable to the experimental set – up.
- \*\* Circuit is drawn on a decorated bakelite sheet to facilitate better and clear understanding.
- \*\* A complete working manual containing operating instruction, theory and circuit details will be supplied along with experimental set - up.
- \*\* Stackable type patch cords suitable to the terminals are provided with the board for easy interconnections and longer working life 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.
- \*\* Weight : 1.5Kg Approximately
- \*\* Dimension : 210mm × 280mm × 82mm



### **EXPERIMENTS :**

1. Current – Voltage (Forward and Reverse) Characteristics of the DIAC.
2. Measurement of forward / reverse break – over voltage.
3. Measurement of Delta V.
4. DIAC as Saw Tooth Generator.

### **OTHER APPARATUS REQUIRED :**

- |    |  |               |        |
|----|--|---------------|--------|
| 1. | D.C. Digital Voltmeter.                                    | 0 – 25, Volt. | 01 No. |
| 2. | D.C. Digital Milliammeter.                                 | 0 – 25, mAmp. | 01 No. |
| 3. | Digital Multimeter, Model – 4011. (“Scientech” make.)      |               |        |
| 4. | A General purpose C.R.O., Model – 201. (“Scientech” make.) |               |        |

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

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