

Product Name :
Triac Characteristics**Product Code :**
ALABS-A3-015**Description :****Triac Characteristics****Object:****1. To study the gate characteristics of a TRIAC in the following modes :**

- (a) Mode I+ : i.e. T2 positive with respect to T1 and gate positive with respect to T 1
- (b) Mode I- : i.e. T2 positive with respect to T1 and gate negative with respect to T 1
- (c) Mode III+ : i.e.T2 negative with respect to T1 and gate positive with respect to T 1
- (d) Mode III- : i.e. T2 negative with respect to T1 and gate negative with respect to T 1

2. To study the terminal characteristics of a TRIAC in the following modes :

- (a) Mode I+ : i.e. T2 positive with respect to T1 and gate positive with respect to T 1
- (b) Mode III+ : i.e. T2 negative with respect to T1 and gate positive with respect to T 1

3. To study the following applications of TRIAC :

- (a) Triac as a static switch (D.C. control).
- (b) Control of A.C. with A.C. signal.
- (c) To measure the holding current of IH. Triac.

FEATURES

The board consists of following built-in parts:

01. 0-70V D.C. at 100mA, regulated Power Supply.
02. 0-3V D.C. at 30 mA, regulated Power Supply.
03. 55 Volt at 100mA, fixed A.C. Supply.
04. 7 Volt at 30mA, fixed A.C. Supply.
05. D.C Ammeter, 65mm rectangular dial with switch selectable ranges of 10mA and 100mA.
06. D.C Ammeter, 65mm rectangular dial to read of 0-30mA.
07. D.C. Voltmeter, 65mm rectangular dial with switch selectable ranges of 5V and 100V.
08. TRIAC.
09. Three Potentiometers.
10. Reset switch.
11. Adequate no. of other electronic components.
12. Mains ON/OFF switch, Fuse and Jewel light



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