

**Product Code . JA-AET-1462**

## **Training Board for DIAC**



### **Description**

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#### **DIAC characteristics**

#### **Object:**

**To plot V-I Characteristics of a DIAC and study the following:**

- Break over voltage, VBO
- Negative resistance region
- VBO symmetry and  $\Delta V$

**To study the applications of a DIAC as:**

- Saw tooth waveform generator
- Pulse train generator

#### **Features:**

**The board consists of following built-in parts:**

- 0-50V D.C. at 50mA, regulated Power Supply
- 45V A.C. at 50mA, unregulated Power Supply
- D.C. Voltmeter, 65mm rectangular dial to read 0-50V D.C
- D.C. Ammeter, 65mm rectangular dial with switch selectable ranges of 200mA and 50mA
- DIAC
- Potentiometer and adequate no. of other electronic components
- Mains ON/OFF switch, Fuse and Jewel light






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- The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains
  - Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length  $\frac{1}{2}$  metre
  - Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms
  - Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References

**Other Apparatus Required:**

- Cathode Ray Oscilloscope 20MHz

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