

**Product Code . JL-AET-1459**

## Silicon Controlled Rectifier



### Description

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#### Silicon Controlled Rectifier

##### Object:-

- To study the D.C. gate control characteristics (firing characteristics) of a SCR
- To study and plot the anode current characteristics of a SCR
- To measure the holding current of a SCR
- To study the plot the phase firing characteristics of a SCR

##### Features:-

##### The Board consists of the following built-in parts:-

- 0 to 50V DC at 50mA, continuously variable Power Supply for Anode
- 0 to 3V DC at 50mA, continuously variable Power Supply for Gate
- 0-10V AC at 50Hz, variable Power Supply for Anode
- Digital Voltmeter DC 3½ Digit having Dual range of 20V/200V
- Digital Current meter DC 3½ Digit having range of 0-200mA
- Silicon Controlled Rectifier
- Fixed limiting resistances
- Adequate no. of other electronic components
- Mains ON/OFF switch, Fuse and Jewel light
- The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains
- Adequate no. of patch cords 4mm length 50cm
- 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

### Other Apparatus Required:-

- Vacuum Tube Voltmeter
- Cathode Ray Oscilloscope 20MHz

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