

**Product Name :**  
Semiconductor and Thyristor characteristics

**Product Code :**  
ELB-PELB0001



### Description :

Semiconductor and Thyristor characteristics

### Technical Specification :

#### SCOPE OF LEARNING:

- 1. Forward Bias Characteristics of PN Junction Diode
- 2. Forward Bias Characteristics of Zener Diode
- 3. Led Characteristics
- 4. Diac Characteristics
- 5. TRIAC Characteristics
- 6. SCR Characteristics
- 7. UJT Characteristics
- 8. FET Characteristics
- 9. Mosfet Characteristics
- 10. IGBT Characteristics
- 11. NPN/PNP Transistor Characteristics in CB Mode

#### TECHNICAL SPECIFICATIONS:

##### Power Supplies:

- DC Power Supply 5V/15V at 150mA Switch Selectable
- DC Power Supply 15V/30V at 150mA Switch Selectable
- Operated on Mains power 230V, 50Hz +10%

##### Analog Meters:

- Dual Range Voltmeter-5V/15V
- Dual Range Voltmeter-25V/50V

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- Dual Range Ammeter 250uA/25mA
  - Dual Range Ammeter 5mA/50mA
- Meter ranges are selectable with toggle switches  
Components are mounted on the panels are:
- PN Junction Diode Germanium OA81
  - Zener Diode 6.2V

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