

**Product Name :**  
Power Electronic Trainer**Product Code :**  
ELB-PELB0002 LAB ENGINEERING**Description :**

Power Electronic Trainer

**Technical Specification :**

- To study the characteristics of SCR and plot it's V-I Characteristics.
- To study the Gate control characteristics of SCR and It's graph.
- To study the characteristics of UJT
- To study the characteristics of MOSFET.
- To study the characteristics of IGBT.
- To study the characteristics of DIAC and plot it's V-I Characteristics curve.
- To study the V-I characteristics of TRIAC.
- To study the characteristics of PUT.
- To study the Resistor Triggering circuit.
- To study the Resistor-Capacitor Triggering Circuit (Half wave).
- To study the Resistor-Capacitor Triggering Circuit (Full wave).
- To study the triggering of SCR using UJT.
- To study the digital firing circuit.

Using SCR

Using TRIAC

Using UJT

Using MOSFET

Using IGBT

- To study the characteristics of power transistor.

- To SCR Half Controlled Rectifier

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- To study Full Controlled Rectifier
  - To Study UJT as Relaxation Oscillator
  - APPLICATIONS OF TRIAC
- (1) TRIAC SWITCHING CIRCUIT
  - (2) TRIAC AS AC PHASE CONTROL.

 **LAB ENGINEERING**

**Elab Engineering Equipments Manufacturers**