



### Specification

- Covers basic semiconductor devices such as Diodes, BJT, FET, JFET, MOSFET, UJT, PUT, DIAC, TRIAC, SCR, IGBT, LDR, VDR, various Diodes, Opto-Coupler, Relay and fundamental components like R, C and L
- On-board resources such as Resistor, Capacitor, Diode and Potentiometer banks of different values are available
- On-board Relay and opto-coupler
- On-board regulated variable positive and negative power supply
- Dual DC 0 to 30V, variable on-board power supply
- Basic component study like Resistors, Capacitors, Inductors and Potentiometer
- 6 different types of Diode characteristics study like general purpose Diode, Ge-Diode, FSD, Zener Diode, LED and Varactor Diode
- 5 different types of transistors characteristics study like BJT, JFET, MOSFET, UJT and PUT
- 4 different types of power component study like DIAC, TRIAC, SCR and IGBT
- Opto-Coupler and Relay study
- Resistors bank with different wattages
- Capacitor bank • Inductors • Diodes
- Potentiometer • Bread board

### Experiments

#### Characteristic experiments

- Study the working of Resistors, Capacitors, Inductors, Potentiometer, Relay
- Characteristics study of Si-Diode, FSD-Diode, Ge-Diode, Zener Diode, LED, Varactor Diode, VDR
- Characteristics study of BJT in CE, CB and CC mode

#### Application experiments

- To find the value of unknown resistance
- Study of Ohm's law
- Study of Kirchoff's voltage and current law
- Diode capacitance variation
- Diode clipper and clamper
- Many more

Note: Specifications are subject to change.