Ambey International

Product Code:	CATALOGUE
AL-E395	#118, Karanpuri, Behind B.D.Floor, Ambala Cantt, Haryana (India),

ALL SEMICONDUCTOR CHARACTERISTICS TRAINER

Following Experiment can be easily performed on the trainer. Use external multimeter to read current and voltages.

- Transistor as switch.
- Led characteristics
- Diode characteristics
- SCR characteristics
- TRIAC Characteristics
- DIAC Characteristics
- UJT Characteristics
- FET Characteristics
- MOSFET Characteristics
- PUT Characteristics
- IGBT Characteristics
- LDR Characteristics
- Transistor Characteristics
- Opto Coupler Characteristics
- Thermistor Characteristics
- Diode as rectifiers
- Resistances and their color code
- Capacitances and their color code
- Basic experiments in the basic electronics laboratory.
- Basic resistance and capacitances filters
- Triac characteristics

Specification:

Trainer comprises of

Power supplies inside the trainer

- Power supplies on boards 0-15V and 0-30V, 250 mA each Variable
- Fixed DC Regulated power supplies ±15V/250mA and +5V/250mA.

- Ac power supply 15-0-15V for rectifier applications
- One Bread Board Mounted on the board.
- One Audio Transformer mounted on the board.
- One Vero Board Mounted on the board.
- One 8E,1/4W Speaker in mounted on the board.
- 4 Variable resistors are mounted on the board.

Various components on the trainer set

- 3 Pairs of connected 2mm sockets
- 4 Rectifier diodes
- 1 OA79 germanium diode
- 3 different values of Zener
- N different values resistances
- N different values capacitors
- Inductors 1mh, 10mh
- 1 DIAC DB3
- 1 SCR TYN604
- 1 TRIAC BT136
- 1 MOSFET IRF540
- 1 UJT 2N2646
- 1 JFET BFW11
- SL100 and SK100 pair
- BC547 1nos.
- 1 LDR
- 1 Thermistor
- 2 LED's
- 1 Opto Coupler MCT2E
- 1 Relay 12V

Picture:

Features

1. **Trainer operated on 230V, 50 Hz + 10%**
2. **Supplied with instruction manual**
3. **Supplied with sufficient nos. of patch cords**
4. **Supplied with Computer Lead**
5. **Dimensions of the Trainer will be 12''x10'' with Plastic Box Highly shock proof .**