

Product Code:

AL-E086

## CATALOGUE

#118, Karanpuri, Behind B.D.Floor, Ambala Cantt, Haryana (India),

### DISCRETE COMPONENT 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 0-50V, 250 mA and 0-30V,250mA Variable
- $\pm 15V/150mA$  and  $+5V/150mA$  Fixed Supplies provided on board.

- 4 Nos of Variable resistor provided on the board.
- One 20 Pin Vero board on mounted on the board.
- Ac power supply 15-0-15V for rectifier applications

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 DB33
- 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 Relay 12V
- 2 Nos of Digital Voltmeter and Ammeter
- One Speaker 8E 1/4W
- 1 Audio Transformer

**Picture:**



### Features

1. Trainer operated on 230V, 50 Hz  $\pm$  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.