

Product Code:

AL-E138

## CATALOGUE

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

### GENERAL PURPOSE BREAD BOARD SYSTEM TRAINER

#### Specifications:

- 850 points bread board 1nos.
- DC Power supplies +5V, 500mA and  $\pm 12V$ , 250mA are available in the trainer to use various TTL & CMOS ICs.
- 0-5V DC, with 250mA and 0-12V DC with 250mA are on board provided.
- 15-0-15VAC is provided on Board.
- On board 0-250KHz Function Generator is provided to the digital circuits with Sine, Square and Triangle wave and with Variable amplitude and Frequency.
- Two Nos. Digital Meters are provided on board for Voltage and Current readout.
- One Frequency Counter is provided for Function Generator Frequency readout.
- On board clock circuit to provide the low frequency clock to the digital circuits.
- 8 digital input logic high low switch.
- 8 digital output indicators.
- 2 mm sockets to make connections via 2mm patch cords.

#### 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.

Picture:



### Experiments

- Study and verify Truth tables of Logic Gates.
- Verification of Boolean identities & Demorgan's theorems.
- Study and verify truth tables of Digital Adders & Subtractor.
- Study of Flip-Flops and verification of their truth tables.
- Study of Counters, Shift Registers and Verification of their truth tables.
- Study of Encoders, Decoders and Verification of their truth tables.
- Study of Multiplexers, Demultiplexer and verification of their truth tables.
- OP AMP experiments
- 555 experiments with additional components.