



38695 Understanding and Experimentation with Digital ICs is a training product which provides complete flexibility for hands on learning of a wide range of experiments in digital electronics. This product provides vast learning scope for students to design their own experiment and applications. Students can use digital IC's and connect their Input & Output to design & implement in the circuit. 38695 can be a part of library & can be issued to students to perform the experiments.

#### OBJECTS:

- 02 Study of Adder and subtractor.
- 03 Study of Multiplexer and De-Multiplexer.
- 04 Study of BCD to 7 Segment Display.
- 05 Study of Encoder, Decoder and Generator.
- 06 Study of Code Converter.
- 07 Study of Magnitude Comparator.
- 08 Study of Flip-Flop.
- 09 Study of Register.
- 10 Study of Counter.

#### FEATURE

- 01 Illustration of Combinational and Sequential circuits
- 02 ZIF Socket provided for easy connections
- 03 Compact size
- 04 Simultaneous use of multiple Ics

#### TECHNICAL SPECIFICATION

01 Mains Supply	:	230 V $\pm$ 10%, 50 Hz
02 Fixed DC Power Supply	:	+12 V, -12V, +5 V, -5V AT 100mA
03 Clock Generator	:	1Hz, 10 Hz, 100 Hz, 1 KHz, 10 KHz and 100 Hz
04 Pulse Generator	:	5V
05 ZIF Socket	:	20 Pins (6Nos.), 40 Pins (1 Nos.)
06 8 Bit Digital Input	:	08 toggle switches
07 12 Bit Digital Output	:	12 LED indicator
08 BCD to seven segment display	:	2 nos.
09 Dimension (mm)	:	W 415 x H 165 x D 315

#### LIST OF ACCESSORIES

- 01 Patch cord 2mm length 50cm Red -----20Nos.
- 01 Patch cord 2mm length 50cm Black -----20Nos.

Note: Specifications are subject to change.

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