



**OMEGA TYPE LTB-826** Computer Logic Training Board on Flip-Flops has been specifically designed to give students an idea about Flip-Flops and to study different types of Flip-Flops. The output of the Flip-Flops can be observed with the help of logic level indicators (LEDs), which are provided on the panel. The board is absolutely self contained and requires no other apparatus.

Practical experience on this board carries great educative value for Science and Engineering Students.

#### OBJECT

- 01 To study Construct R.S. Flip-Flop without clock & it's characteristics.
- 02 To study Construct R.S. Flip-Flop & it's characteristics with clock.
- 03 To study Construct D (DATA) Flip-Flop & it's characteristics with clock.
- 04 To study Construct J-K Flip-Flop & it's characteristics with clock.
- 05 To study Construct T Flip-Flop & it's characteristics with clock.
- 06 To study Construct Master Slave J-K Flip-Flop with clock & it's characteristics.

#### FEATURES

The board consists of the following built-in parts :

- 01 +5V D.C. at 100mA, IC regulated power supply.
- 02 Four, 2-input NAND gates.
- 03 Four, 3-input NAND gates.
- 04 One inverter (NOT gate).
- 05 Four LEDs with driver circuit to observe the output of flip-flops.
- 06 A pulser to provide the pulses manually for triggering.
- 07 Adequate no. of other Electronic Components.
- 08 Mains ON/OFF switch, Fuse and Jewel light.
- 09 The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains.
- 10 Adequate nos. of patch cords stackable from rear both ends 4mm spring loaded plug, length 50cm.
- 11 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 12 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 13 Weight : 1.200 Kg. (Approx.).
- 14 Dimension : W 340 x H125 x D 210

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## OMEGA ELECTRONICS

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