



**OMEGA TYPE LTB-839** Computer Logic Training Board has been designed specifically for the study of Universal Shift Register. This Training Board gives a better understanding of the concepts of shifting data IN and OUT of a 4-bit register in different modes. 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

To Study the shifting of 4 bit data using IC 74LS194 in the following modes:

- 01 Serial Left IN - Serial Left OUT.
- 02 Serial Left IN - Serial Right OUT.
- 03 Serial Right IN - Serial Left OUT.
- 04 Serial Right IN - Serial Right OUT.
- 05 Serial Left IN - Parallel OUT.
- 06 Serial Right IN - Parallel OUT.
- 07 Parallel IN - Serial Left OUT.
- 08 Parallel IN - Serial Right OUT.
- 09 Parallel IN - Serial OUT.

#### FEATURES

The board consists of the following built-in parts :

- 01 + 5V D.C. at 50mA, IC regulated power supply internally connected.
- 02 Universal Register IC 74LS194.
- 03 Transparent latch IC 74LS373.
- 04 JK Flip-flop IC 74LS74
- 05 AND GATE IC 7411.
- 06 NAND GATE IC 7400.
- 07 Adequate no. of 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 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms.
- 11 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 12 Weight : 1.900 Kg. (Approx).
- 13 Dimension : W 340 x H 125 x D 120

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

## OMEGA ELECTRONICS