



**OMEGA TYPE LTB-831** Computer Logic Training Board has been designed specifically for the study of EX-OR and EX-NOR Logic Gates and to verify the truth tables of these logic functions using universal NAND Gates. 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 the EX-OR logic gate and verify its truth table.
- 02 To construct the EX-OR logic gate using NAND gates and verify its truth table.
- 03 To study the EX-NOR logic gate and verify its truth table.
- 04 To construct the EX-NOR logic gate using NAND gates and verify its truth table.

### FEATURES

The board consists of the following built-in parts :

- 01 Five, 2-input NAND gates.
- 02 One, 2-input EX-OR and one 2-input EX-NOR gate.
- 03 +5V D.C. at 100mA, IC Regulated Power Supply internally connected.
- 04 Two switches for giving binary inputs.
- 05 Two LEDs indicators, for checking logic state of output.
- 06 Adequate no. of other electronic components.
- 07 Mains ON/OFF switch, Fuse and Jewel light.
- 08 The unit is operative on 230V  $\pm 10\%$  at 50Hz A.C. Mains.
- 09 Adequate nos. of patch cords stackable from rear both ends 4mm spring loaded plug, length 50cm.
- 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 : 3 Kg. (Approx.).
- 13 Dimension : W 340 x H125 x D 210 (mm)

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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