

**STUDY OF OR, AND, NOT LOGIC GATES
(USING DISCRETE COMPONENTS)
AND COMPARISON WITH TTL IC'S
OMEGA TYPE LTB-820**



OMEGA TYPE LTB-820 Computer Logic Training Board has been designed specifically to study OR, AND, NOT logic gates using discrete components and compare it with TTL integrated circuits (IC's). 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 3-input OR logic gate using discrete components & compare it with TTL ICs.
- 02 To study the 3-input AND logic gate using discrete components & compare it with TTL ICs.
- 03 To study the NOT logic gate using discrete components & compare it with TTL ICs.

FEATURES

The board consists of the following built-in parts :

- 01 +5V D.C. at 100mA, IC Regulated Power Supply.
- 02 NOT gate.
- 03 3-input AND gate.
- 04 3-input OR gate.

- 05 Three switches for giving binary logic input states.
- 06 Two LEDs, driven by LED driver circuit for visual indication of output.
- 07 Adequate no. of other Electronic Components.
- 08 Mains ON/OFF switch and Fuse.
- 09 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 10 Adequate no. 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 : 2.00 Kg. (Approx.).
- 14 Dimension : W 340 x H 125 x D 210

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

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