

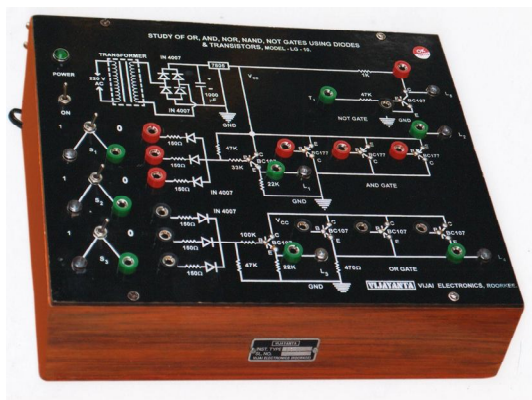
VIJAYANTA

VIJAI ELECTRONICS
28/147, CIVIL LINES
ROORKEE - 247667



WSC
ISO - 9001-2008
Certificate No. WSC-215028-A

LOGIC TRAINING BOARD ON GATES USING I.C., MODEL - LTB - 10.



FEATURES :

- ** Regulated short circuit proof + 5, Volts power supply suitable to the experimental board is builtin.
- ** Circuit is drawn on a painted aluminum sheet and the components are mounted on the top of the panel for better and clear understanding.
- ** A complete working manual with theory, circuit details and operating instruction supplied with the experimental board.
- ** Stackable type connecting leads suitable to the terminals are supplied with the board for easy inter - connections and longer life of the terminals.
- ** Outputs of the gates are displayed by LED's which have Perspex background for better visibility.
- ** To test the logic gates in both positive and negative logic's, three test sources are builtin which give 0 and 1 conditions by their toggle switches mounted on panel.
- ** Experimental board operates at 220, Volts, $\pm 10\%$ A.C. of 50 Hz and ON/OFF switch, LED indicators for + 5 Volts and a neon lamp for mains indication.

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EXPERIMENTS :

1. Two – input positive logic gates verification.
2. Two – input negative logic gates verification.
3. Three – input positive logic gates verification.
4. Three – input negative logic gates verification.
5. Construction of astable multivibrator using gates.
6. Study of R – S Flip – Flops.
7. Construction of Half – Adder using Gates.
8. Construction of Half – Subtractor using Gates.

OTHER APPARATUS REQUIRED :

1. One a General purpose C.R.O. to see the wave-forms of the multivibrator and a few resistors and capacitors. “Scientech” make. C.R.O.

There may be any change in specification due to continuous R&D without any notice