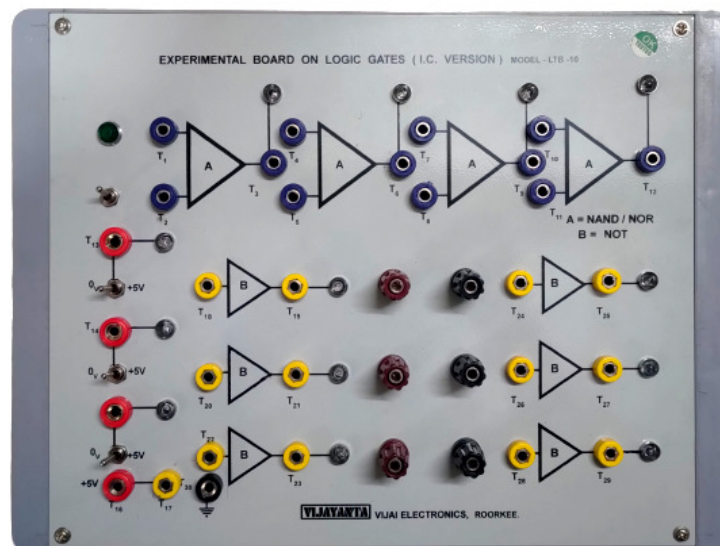


## LOGIC TRAINING BOARD ON GATES USING I.C., MODEL : LTB - 10.



### 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.
- \*\* Weight : 2 Kg Approximately
- \*\* Dimension : 252mm  $\times$  330mm  $\times$  72mm

### **VIJAYANTA TECHNOLOGIES PVT. LTD.**

(Formerly Vijai Electronics)

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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. “Sciencetech” make. C.R.O.

*Note: There may be any change in specification due to continuous R & D without notice.*

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