

## DIGITAL LOGIC TRAINER BOARD

### GENERAL DESCRIPTION

This trainer board features essential logic gates including AND, OR, NOT, NAND, NOR, XOR, and XNOR gates, providing comprehensive foundation in digital logic design. With its compact design and intuitive layout, this trainer board offers an ideal environment for students to explore and experiment with various logic gate configurations.

DB-1420DLT



Reference Photo

## Specification

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- ❖ 2-Input AND Gate
- ❖ 2-Input OR Gate
- ❖ NOT Gate
- ❖ 2-Input NAND Gate
- ❖ 2-Input NOR Gate
- ❖ 2-Input X-OR Gate
- ❖ 2-Input X-NOR Gate
- ❖ J-K Flip Flop
- ❖ 4-Bit Asynchronous/Synchronous Counter
- ❖ 8-bit Logic Input Switch
- ❖ 8-bit Logic Output Display
- ❖ 10 Connector Converter
- ❖ Dual Breadboard
- ❖ Fixed Voltage Source
- ❖ +5V, GND, -5V;
- ❖ +15V, GND, -15V
- ❖ Variable Voltage Source with Display: 3.3v to 30V
- ❖ Clock Generator: Variable 10 KHz to 1 MHz
- ❖ Pulse switch with Indicator
- ❖ Positive Pulse
- ❖ Negative Pulse
- ❖ Voltage Level Switch with Indicator
- ❖ Positive Voltage Level
- ❖ Negative Voltage Level
- ❖ Signal Generator (Range, Frequency & Amplitude Control)
- ❖ Sine Wave, Triangular Wave, Square Wave

**Complete with all Standard Accessories and Instruction Manual**