



The **Digital Logic Trainer Kit** is an educational platform designed for **learning, designing, and testing fundamental digital logic circuits**. It allows students to perform **hands-on experiments** with gates, flip-flops, counters, adders, multiplexers, and more, making it an essential tool for digital electronics education and laboratory training.

Application

- Study and verification of **basic logic gates** and truth tables
- Implementation of **adders, subtractors, and arithmetic circuits**
- Analysis of **flip-flops, latches, and counters**
- Demonstration of **sequential and combinational circuits**
- Hands-on practice for **circuit design and troubleshooting**

Product Features

- **Power Supply:** IC Regulated +5V DC, 1A (operates on 230V, 50Hz \pm 10% mains)
- **Logic Gates:** OR, AND, NOT, NAND, NOR, XOR
- **Arithmetic Circuits:**
 - Adder & Subtractor using IC 7483
 - Full Adder & Full Subtractor
- **Sequential Circuits:**
 - JK Flip-Flop (IC 7476)
 - D Latches (IC 7474)
- **Display:** 4-bit BCD to 7-Segment Indicators (Inputs: A, B, C, D)
- **Logic I/O:** 8-bit logic inputs and outputs
- **Clock Source:** Low-frequency clock generator (1 Hz – 10 Hz)
- **Continuity Tester:** Buzzer-based

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com

- **Additional Components:** Variable resistor (10 kΩ)
- **Construction:**
 - High-class insulated **printed circuit board sheet** with printed circuits & symbols
 - Front-panel layout for intuitive operation
- **Connectivity:** 2 mm brass sockets with 2 mm patch cords

Accessories / Spares

- Connecting wires / Patch cords (2 mm)
- Logic ICs (gates, flip-flops) for circuit building & testing
- Power adapter for regulated supply

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com