Basic Digital IC Trainer (15 Experiments)

Model : SC-902

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SINCOM SC-902 Basic Digital IC Trainer is a simply designed self contained trainer to understand various experiments using TTL Digital ICs. This trainer offers the capability to verify the operation & truth table of Logic gates, RS Flip-flop, JK F/F, D F/F , Decade Counter ICs and their combinational circuits.

Features

❖ 15 Experiments on a single Trainer
❖ Multiple Digital ICs on board
❖ Includes 09 TTL Logic Inputs generator
❖ 04 Bicolor LEDs for TTL logic Output Indicator
❖ Incorporate DC Power supply
❖ Presents a multi-color Circuit Diagram printed on the front panel of the white board
❖ Enclosed in an attractive, light weight, High Quality, Poly Coated Imported Pine Wooden cabinet
❖ Interconnections by 2mm high quality banana sockets and pins.
❖ User friendly Designed

Technical Specifications

- AC Mains Power Supply   : 230V ±10%, 50Hz
- Regulated Fixed DC Power Supply   : +5V /500mA
- Digital TTL Logic Input Generator   : 09 for each logic 1 and logic 0
- Digital TTL Logic Output Indicator   : 04 Bi Color LEDs
- No. of Digital ICs used   : 08
- Digital ICs used   : IC7408,IC7432,IC7404,IC7486,IC74279,IC7474,IC7473,IC7490
- Experiments Covered   : 15 on logic gates, Flip-Flops, Decade Counter etc.
- Weight   : 3.0 kg (approx)
- Dimensions (mm)   : L 270 x W 390 x H 130

- Interconnections   : 2mm Banana sockets
- Operating Temperature   : 0-55^{0}C, 85% RH

Learning Scope

- To Study the operation of Basic Digital IC trainer for various inputs and outputs.
- To Study Logic Gates AND,OR,NOT,NAND,NOR,XOR,XNOR and verify its truth table.
- To Study and verify the truth table of RS, JK, D,T Flip-flops.
- To study and verify the truth table of Decade Counter.
- To study various circuits based on logic gates and Flip-flops.

Other Instruments Required : Digital Multimeter (Optional)

Accessories Included : Set of Patch Cord and Details Instruction Manual

Subject to Change