Logic Gate Trainer

Model : SC-901

SINCOM SC-901 Logic Gates Trainer is a self contained trainer to verify the operation and truth table of AND,NAND,OR,NOR,NOT,EX-OR,EX-NOR logic gates using ICs and the basic logic gates AND,OR,NOT using Diode Transistors. This is an essential trainer for understanding and experimenting with logic gates in a simple way.

Features

- ❖ Logic Gates using Diode, Transistor and ICs
- ❖ Multiple Logic Gates on board
- ❖ Includes 04 TTL Logic Inputs generator
- ❖ 02 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.

Technical Specifications

- ▪ AC Mains Power Supply : 230V ±10%, 50Hz
- ▪ Regulated Fixed DC Power Supply : +5V /500mA
- ▪ Digital TTL Logic Input Generator : 04 for each logic 1 and logic 0
- ▪ Digital TTL Logic Output Indicator : 02 Bi Color LEDs
- ▪ Logic Gates using Diode Transistor : Three AND, OR, NOT with LED indicator
- ▪ Logic Gates using IC : AND IC 7408, NAND 7400, OR IC7432, NOR IC 7402, NOT IC 7404, EX-NOR, EX-OR IC 7486
- ▪ No. of IC Logic Gates : AND (2), NAND (4), OR (2), NOR (2), NOT (2), EX-OR (2)

- 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 Logic gates trainers for various inputs and outputs.
- To Study basic logic gates AND,OR,NOT using diode and transistor. Verify its truth table.
- To Study the truth table of AND,OR,NOT logic gates using TTL Digital ICs.
- To Study the truth table of NAND,NOR,XOR,XNOR logic gates using TTL Digital ICs.
- To study the various circuits using logic gates.

Other Instruments Required : Digital Multimeter (Optional)

Accessories Included : Set of Patch Cord and Details Instruction Manual

Subject to Change