



An ISO 9001:2015 Co.

## Multiplexer & Demultiplexer Trainer

### Model : SC-910

**SINCOM SC-910 Multiplexer & Demultiplexer Trainer** is a self contained trainer to verify the operation & truth table of Multiplexers 4:1,8:1,16:1 and Demultiplexer 1:4 ,1:8,1:16 types, with the facility to apply logic Inputs, logic output Indicator, Reset control and DC Power Supply.

### Features

- ❖ All MUX and DEMUX on a single trainer
- ❖ Separate modules for all MUX and DEMUX
- ❖ 16 TTL Logic Inputs generator
- ❖ 16 LEDs for TTL logic Output Indicator
- ❖ Incorporate DC Power supply
- ❖ Reset Switch
- ❖ 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  | : 16 by Switches           |
| ▪ Digital TTL Logic Output Indicator | : 16 LEDs                  |
| ▪ Reset By                           | : Push-To-On switch        |
| ▪ MUX ICs                            | : IC 74153,IC74151,IC74150 |
| ▪ DEMUX ICs                          | : IC 74155,IC74138,IC74154 |
| ▪ MUX DEMUX Based on                 | : Digital ICs              |
| ▪ Weight                             | : 3.0 kg (approx)          |
| ▪ Dimensions (mm)                    | : L 270 x W 390 x H 130    |
| ▪ Interconnections                   | : 2mm Banana sockets       |
| ▪ Operating Temperature              | : 0-55°C, 85% RH           |

### Learning Scope

- To Study Mux and Demux trainer.
- To Study and verify operation of Multiplexer 4:1 using IC 74153.
- To Study and verify operation of Multiplexer 8:1 using IC 74151.
- To Study and verify operation of Multiplexer 16:1 using IC 74150.
- To Study and verify operation of Demultiplexer 1:4 using IC 74155.
- To Study and verify operation of Demultiplexer 1:8 using IC 74138.
- To Study and verify operation of Demultiplexer 1:16 using IC 74154.

### Other Instruments Required : Nil

### Accessories Included : Set of Patch Cord and Details Instruction Manual.