

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 \pm 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.