

Digital Counter and Shift Register Trainer

Model : SC-908

SINCOM SC-908 Digital Counter and Shift Register Trainer is a self contained trainer to verify the operation & truth table of various counters and shift registers like UP Down Counter, Synchronous Counter, Four Bit Ripple Counter, MOD-N Counter, Twisted Ring Counter, Decade Counter and SISO, SIPO, PISO, PIPO, Left Right Shift Register, Universal shift register using Flip-Flops, logic gates and ICs.

Features

- ❖ All counter and shift registers circuits on a single trainer
- ❖ Separate modules of all counter and shift registers
- ❖ 06 TTL Logic Inputs generator
- ❖ 04 LEDs for TTL logic Output Indicator
- ❖ Incorporate DC Power supply
- ❖ Mono Clock Pulse generator
- ❖ Set and 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	: 06 by Switches
▪ Digital TTL Logic Output Indicator	: 04 LEDs
▪ Mono Pulse Generator	: 01
▪ Set and Reset By	: Push-To-On switch
▪ Counters Based on	: JK Flip-Flops, Logic Gates, IC 7490
▪ Shift Registers Based on	: JK Flip-Flops, Logic Gates and ICs
▪ Weight	: 3.0 kg (approx)
▪ Dimensions (mm)	: L 444 x W 127 x H 539
▪ Interconnections	: 2mm Banana sockets
▪ Operating Temperature	: 0-55 $^{\circ}$ C, 85% RH

Learning Scope

- To Study Digital Counter trainer. To Study and verify the truth table of Up-down Counter, Synchronous counter, 4 Bit Binary Ripple counter, MOD-N Counter, Twisted Ring Counter, Decade Counter and various counter circuits based on logic gates and Flip-flops
- To Study Shift Register trainer. To Study and verify SISO and SIPO Shift Register, PISO and PIPO Shift Register, Left/ Right Shift Register, Universal Shift Register.

Other Instruments Required : Nil

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