



An ISO 9001:2015 Co.

General Purpose Board Trainer

Model : SD-902

SINCOM SD-902 General Purpose Board Trainer is a comprehensive breadboard platform that is well-suited for constructing various general purpose electronics circuits. It provides the convenience of applying both fixed and variable DC/AC voltages, along with additional features such as a TTL Logic Inputs generator, TTL Logic Output Indicators, a Mono Pulse generator, Step Down Transformer, component bank, and a Digital DC Volt Indicator.

Features

- ❖ Suitable for a wide range of general purpose Electronics Circuits
- ❖ One Bread Boards Platform with 840 tie points
- ❖ Incorporates both Fixed and Variable DC and AC Power Pack
- ❖ Includes Basic Electronics component bank
- ❖ On board Speaker, Relays, LEDs
- ❖ Includes 09 TTL Logic Inputs Generator switches
- ❖ Provides 06 Bicolor LEDs for TTL logic Output Indicator
- ❖ Mono Pulse Generator
- ❖ 3^{1/2} Digit Digital DC Volt Indicator
- ❖ 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
- ❖ Facility to connect external Function Generator and Oscilloscope
- ❖ Interconnections by 2mm high quality banana sockets and pins.

Technical Specifications

▪ AC Mains Power Supply	: 230V ±10%, 50Hz
▪ Regulated Fixed DC Power Supply	: +5V,+9V, +15V,-15V /1A
▪ Variable DC Power Supply	: Variable 0 to +15V
▪ Variable AC Power Supply	: Variable 0 to 12V, 50Hz
▪ Digital TTL Logic Input Generator	: 09 by SPDT switches
▪ Digital TTL Logic Output Indicator	: 06 Bi Color LEDs
▪ Mono Pulse Generator	: 01 Manual
▪ Digital Voltmeter	: DC 0-20V, Red Color 3 ^{1/2} Digit LED Display
▪ No. of Bread Boards	: 01
▪ Bread Board Tie Points	: 840
▪ Transformer	: Step Down Centre Tap 12-0-12V/500mA
▪ Components Bank	: Resistor (5), Capacitor (5), Diode (1), Transistor (1), SPDT Switch (1), LEDs (3),Relay (1), Potentiometer (1), Speaker (1)
▪ Weight	: 4.0 kg (approx)
▪ Dimensions (mm)	: L 270 x W 390 x H 130
▪ Interconnections	: 2mm Banana sockets
▪ Operating Temperature	: 0-50°C, 80% RH



An ISO 9001:2015 Co.

Learning Scope

- To Study the Various sections of General Purpose Bread Board Trainer.
- To analyze the Power supply section.
- To investigate the Logic Generator, Indicators and Mono clock pulse generator.
- To investigate the various components provided on the Board.
- To proficiently construct the desired circuit on the trainer board.
- To thoroughly test the assembled circuit.

Other Instruments Required : Nil

Accessories Included : Set of Patch Cord and Details Instruction Manual