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SINC [®]

Sindhu ELECTRONICS & COMMUNICATIONS PVT. LTD.

Electronics Educational Trainer Kits

Bread Board Trainer

Model : SD-901



SINCOM SD-901 Bread Board Trainer is a highly extensive trainer for the Bread Board platform, designed for the assembly and testing of DIY electronics circuits. This trainer offers the capability to apply fixed or variable DC/AC voltages, as well as features such as a TTL Logic Inputs generator, TTL Logic Output Indicators, a Mono Pulse generator, and a Digital DC Volt Indicator. This Trainer provides a formal and sophisticated solution for the construction and evaluation of electronic circuits.

Features

- ❖ Suitable for a wide range of DIY Electronics Circuits
- ❖ Two Bread Boards Platform with 1680 tie points
- ❖ Incorporates both Fixed and Variable DC and AC Power Pack
- ❖ Includes 18 TTL Logic Inputs Generator switches
- ❖ Provides 09 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 \pm 10%, 50Hz
▪ Regulated Fixed DC Power Supply	: +5V,+12V,-12V, +15V,-15V /1A
▪ Variable DC Power Supply	: Variable 0 to +12V and 0 to -12V
▪ Variable AC Power Supply	: Variable 0 to 12V, 50Hz
▪ Digital TTL Logic Input Generator	: 18 SPDT switches
▪ Digital TTL Logic Output Indicator	: 09 Bi Color LEDs
▪ Mono Pulse Generator	: 01 Manual
▪ Digital Voltmeter	: DC 0-20V, Red Color $3^{1/2}$ Digit LED Display



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- No. of Bread Boards : 02
- Bread Board Tie Points : 1680
- Weight : 3.0 kg (approx)
- Dimensions (mm) : L 270 x W 390 x H 130
- Interconnections : 2mm Banana sockets
- Operating Temperature : 0-50°C, 80% RH

Learning Scope

- To Study the Bread Board Trainer for various inputs and outputs provided on the board.
- To analyze the Power supply section.
- To investigate the Logic Generator, Indicators and Mono clock pulse generator.
- To proficiently construct the desired circuit on the bread board.
- To thoroughly test the assembled circuit.

Other Instruments Required : Nil

Accessories Included : Set of Patch Cord and Details Instruction Manual