

Analog Circuit Lab Trainer

Model : SD-905



SINCOM SD-905 Analog Circuit Lab Trainer is an exceptional and all-encompassing trainer that is well-suited for the assembly and testing of Analog Electronics circuits on a Bread Board platform. This trainer offers the capability to apply fixed or variable DC/AC voltages, generate Sine wave test signals, electronics components bank, and a Digital DC Volt Indicator. This Trainer provides a formal and sophisticated solution for the construction and evaluation of a wide range of Analog Electronics circuits.

Features

- ❖ Suitable for a various array of Analog Electronics Circuits.
- ❖ Two Bread Boards Platform with 1680 tie points
- ❖ Incorporates both Fixed and Variable DC and AC Power Pack
- ❖ Includes Basic Electronics component bank
- ❖ 3^{1/2} Digit Digital DC Volt Indicator
- ❖ Sine wave Test Signal generator with variable Frequency and amplitude.
- ❖ 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
▪ Test Signal Generator	: Sine Wave, variable Frequency @100KHZ, Amplitude

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▪ Digital Voltmeter	variable @ 8Vpp.
▪ No. of Bread Boards	: DC 0-20V, Red Color 3 ^{1/2} Digit LED Display
▪ Bread Board Tie Points	: 02
▪ Components Bank	: 1680
▪ Potentiometers	: Resistors (10), Capacitors (5), Inductors (2), Potentiometer(4)
▪ Weight	: 04 Nos. 1K, 10K, 100K, 1MOhm
▪ Dimensions (mm)	: 4.0 kg (approx)
▪ Interconnections	: L 270 x W 390 x H 130
▪ Operating Temperature	: 2mm Banana sockets
	: 0-50 ⁰ C, 80% RH

Learning Scope

- To Study the Analog Circuit Lab Trainer for various inputs and outputs provided on the board.
- To analyze the Power supply section.
- To Study the Test signal generator section.
- To investigate the various components provided on the Board.
- To proficiently construct the desired Analog circuit on the bread board.
- To thoroughly test the assembled circuit.

Other Instruments Required : Digital Multimeter (DMM),CRO (Optional)

Accessories Included : Set of Patch Cord and Details Instruction Manual