

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

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| ▪ AC Mains Power Supply | : 230V ±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