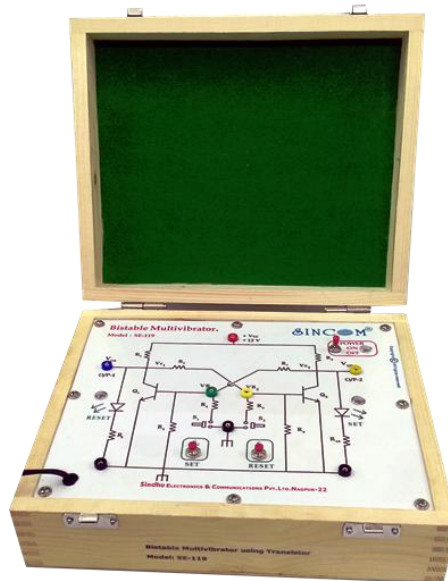


Bistable Multivibrator using Transistor

Model : SE-119



SINCOM SE-119 Bistable Multivibrator using Transistor is a remarkable self contained useful trainer with two CE mode NPN Transistors and resistive positive feedback to provide Bistable Multivibrator Output for the applied two trigger inputs in a simple experimental way.

Features

- ❖ Silicon NPN BJT of TO-92 package on board
- ❖ Two NPN Transistor as CE switching Amplifier with resistive feedback elements.
- ❖ Resistive Identical collector load
- ❖ Push-To-On SET and RESET Input switches
- ❖ Two LED load to indicate Set/Reset output
- ❖ In-Built Fixed regulated DC Power Supply
- ❖ User friendly Design
- ❖ Very Easy for Operation
- ❖ Multi color Circuit Diagram is printed on the front panel of the white acrylic board
- ❖ Enclosed in an attractive, light weight, High Quality, Poly Coated Imported Pine Wooden cabinet
- ❖ Facility to connect external Trigger Input, Oscilloscope and Digital Meters.
- ❖ Interconnections by 2mm high quality banana sockets and pins
- ❖ Maximum Test points to explore all the corners of experiment
- ❖ 1 Year Warranty

Technical Specifications

- | | |
|-------------------------------|--|
| ▪ AC Mains Power Supply | : 230V \pm 10%, 50Hz |
| ▪ DC Power Supply | : IC Regulated Fixed +12V/300mA |
| ▪ Multivibrator type | : Bistable |
| ▪ Transistor Type and Package | : Two BJT Silicon NPN BC548, TO-92 Package |
| ▪ Amplifier Type | : Base Biased CE Switching Amplifier |



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|----------------------------------|--|
| ▪ Feedback Elements | : Two Resistors |
| ▪ Collector load | : Identical Resistive load of 10KΩ |
| ▪ Internal Trigger Inputs | : 10V DC Inputs by two Push-to-On switch for SET and RESET |
| ▪ Output Indicator | : Two Red LEDs as SET and RESET output |
| ▪ Switching Control by | : By Push-to-On switches |
| ▪ Max. Collector Emitter Voltage | : 12 VDC |
| ▪ Weight | : 2.0 kg (approx) |
| ▪ Dimensions (mm) | : L 220 x W 270 x H 110 |
| ▪ Interconnections | : 2mm Banana sockets |
| ▪ Operating Temperature | : 0-50°C, 80% RH |

Learning Scope

- To Study operation of Bistable Multivibrator using transistor.
- To Observe & Note the two outputs w.r.t. applied SET & RESET Trigger Inputs.
- Compare the Theoretical & Practical values.

Other Instruments Required : Digital Multimeter

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