Staircase Generator

Model : SE-129

SINCOM SE-129 Staircase Generator is a useful trainer to study the concept and operation of staircase wave generator with different resistors and capacitor bank to produce variable frequency outputs in a simple experimental way.

Features

- NPN Transistor as CE switching Amplifier with resistive capacitive feedback elements.
- Resistive load
- Wide range of staircase output
- Facility to vary output frequency
- Silicon NPN BJT of TO-92 package on board
- 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 function generator, 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

DC Power Supply	: IC Regulated Fixed +12V/300mA
Transistor Type and Package	: BJT Silicon NPN BC548, TO-92 Package
Amplifier Type	: Base Biased CE Switching Amplifier
Feedback Elements	: Resistors and Capacitors
Load	: Resistive load 10KΩ
Output waveform	: Staircase type
Output Frequency	: Variable
Output Frequency Control by	: Resistors and Capacitors
Max. Collector Emitter Voltage	: 12 VDC
AC Mains Power Supply	: 230V ±10%, 50Hz
Weight	: 2.0 kg (approx)
Dimensions (mm)	: L 220 x W 270 x H 110
Interconnections	: 2mm Banana sockets
Operating Temperature	: 0-50^{0}C, 80% RH

Learning Scope

- To Study operation of Staircase generator circuit.
- To Observe & Note Change in output w.r.t. change in RC Components.

Other Instruments Required : Oscilloscope

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

Subject to Change