



Pulse Generator

Model : SE-130

SINCOM SE-130 Pulse Generator is a remarkable useful trainer to study the concept, operation and generation of three types of Pulse signals with facility to vary Pulse frequency in a simple experimental way.

Features

- ❖ UJT based Pulse generator
- ❖ Clock Pulse generator using IC
- ❖ TTL Mono pulse generator using logic gates
- ❖ RC Component bank to vary frequency
- ❖ Wide range of Pulse output
- ❖ Facility to vary output frequency
- ❖ 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, +5V/500mA
▪ Type of Pulse generators	: UJT Pulse, Clock Pulse and TTL Mono pulse generator
▪ Feedback Elements	: Resistors and Capacitors
▪ UJT Type and Package	: UJT 2N2646 Silicon PN Uni-Junction Transistor, TO-18
▪ IC type	: IC XR 2206, IC 7400
▪ Load type	: Resistive 10KΩ.
▪ Output Control by	: Resistor, Potentiometer, capacitors and Push-to-On switch
▪ Pulse output Frequencies	: UJT variable 100Hz-10KHz, Clock variable 10Hz-100KHz
▪ Pulse Output Amplitude	: UJT based 5V, Clock Pulse variable 7Vp, Mono 5V.
▪ Max. supply 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°C, 80% RH

Learning Scope

- To Study operation of UJT based Pulse generator circuit.
- To Study operation of IC based Clock Pulse generator circuit.
- To Study operation of TTL Mono Pulse generator circuit.
- To Observe & Note Change in Pulse width and amplitude w.r.t. change in RC Components.

Other Instruments Required : Oscilloscope

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