Linear & Logarithmic Potentiometer Characteristics

Model : SE-1030

SINCOM SE-1030 Linear & Logarithmic Potentiometer Characteristics is a versatile trainer designed for studying the characteristics of both linear and logarithmic type potentiometers. It allows users to analyze the behaviour of these potentiometers when subjected to variable DC input voltage. The potentiometer features an on-board 0-300^{O} marked shaft angle dial, providing precise control and measurement for both types of potentiometers.

Features

- Separate Linear and Logarithmic Potentiometer
- 0-300^{O} marked shaft angle dial
- In-Built Variable regulated DC Power Supply
- Facility to connect the External meters.
- 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
- Interconnections by 2mm high quality banana sockets and pins.

Technical Specifications

AC Mains Power Supply	: 230V ±10%, 50Hz
Regulated DC Power Supply	: Variable 0 to +12V
No. of Potentiometer	: 02
Linear Potentiometer	: One 10K
Logarithmic Potentiometer	: One 10K
Dial Shaft angle	: 0-300^{O}
Current Controlling Resistor	: 1KΩ, ±5% in series
Maximum Forward Current	: 50 mA
Maximum Output Voltage	: 12V
Weight	: 3.0 kg (approx)
Dimensions (mm)	: L 220 x W 270 x H 110

- Interconnections : 2mm Banana sockets
- Operating Temperature : 0-55^{0}C, 80% RH

Learning Scope

- To study the Potentiometers.
- To study the Characteristics of Linear Potentiometers.
- To study the Characteristics of Logarithmic Potentiometers.
- To plot the graph of shaft position Vs Resistance of Linear/ Log Potentiometer.

Other Instruments Required : Digital Multimeter

Accessories Included : Set of Patch Cords, Detail Instruction Manual.

Subject to Change