Capacitive Displacement Transducer

Model : SE-1036

SINCOM SE-1036 Capacitive Displacement Transducer is an exceptional trainer designed for measuring Capacitive displacement using capacitive transducer. This comprehensive trainer comes with a $3^{1/2}$ digit LED Displacement Indicator, allowing for precise and accurate measurements. It also features calibration control, AC excitation input control, and a marked capacitive displacement scale, making it easy to track and analyze displacement input.

Features

- Capacitive Transducer
- Digital Displacement Indicator
- High Sensitivity
- Wide Displacement Scale
- Easy Calibration Control
- Variable AC Source Input
- In-Built Fixed regulated DC Power Supply
- 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
Fixed Regulated DC Power Supply	: +5V, ±12V /500mA
Transducer	: Capacitive transducer 20PF-40PF
Capacitive Displacement	: 0 to 180^{o}
Displacement Scale	: 0^{o} to 180^{o}
Displacement Display (Degree)	: Red Color $3^{1/2}$ Digit LED Display
Excitation Frequency	: 100KHz
Excitation Voltage	: AC variable 10V

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- Calibration Control by : Potentiometer
- Weight : 4.0 kg (approx)
- Dimensions (mm) : L 270 x W 390 x H 130
- Interconnections : 2mm Banana sockets
- Operating Temperature : 0-55^{0}C, 80% RH

Learning Scope

- To study the Capacitive Displacement Measurement using Capacitive Transducer.
- To study the operation of a Capacitive Displacement Transducer.
- To Observe and note the Displacement output on display w.r.t. change in capacitive displacement.

Other Instruments Required : Nil

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

Subject to Change