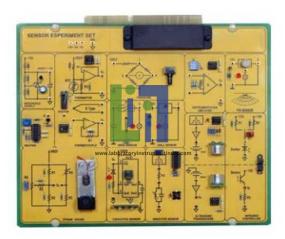


Email: sales@laboratoryinstrumentindia.com

Product Name:Sensor Experiment Set

Product Code: LBNY-0005-12400046



Description:

With this board the students can learn to use a wide range of sensors such as those of temperature, of pressure, Hall sensor, strain gauge, capacitive, inductive, ultrasonic and infrared sensors. The design and construction of electronic circuits to solve practical problems is an essential technique in the fields of electronic engineering and computer engineering.

Circuit Blocks:

Measurement of T through a thermocouple

Measurement of T through a thermistor

Measurement of the deformation through a strain gauge

Inductive sensor

Pressure Sensor

Use of the capacitor sensor

Magnetic switch

Hall sensor

Infrared transmission and reception

Transmission and reception of ultrasonic signals.

Technical Specification:

Theoretical Topics:

Applications of the Wheatstone

Types of fluid pressure measurements

Measurement of the deformation through a strain gauge

Capacitive sensors

Inductive proximity sensors

Absolute pressure sensor

Pressure transducers

Passive Infrared Sensors

Measurement of the temperature through a thermistor

Measurement of the temperature through a thermocouple

Gauge pressure sensor

Differential pressure sensor

Ultrasonic transducers

Fault simulation

Reception of ultrasonic signals

Infrared transmission and controller.



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