

Product Name :
Transducer and Instrumentation Trainer Kit**Product Code :**
EELELABT10001**Description :**

Transducer and Instrumentation Trainer Kit

Technical Specification :**Features-**

On board Circuits block diagram, Different test and measuring points, On board +5v ,+12v and -5v power source , Analog Voltmeter to measure output, Different type of transducers learning

Input 230 AC voltage operated,.

Topics covered....

Technical Specification- 0 to 15v DC Analog Volt-meter to measure output , 5V TO 12V operated circuitry ,Test points for measuring , Concept diagrams printed on PCB, Facility to measure output voltages using voltmeter.Easy to plug and play on board voltage source, Bridge rectifier to remove ripples,

Sensors:-**Sensors**

LVDT: AC TO AC 20mm linear variable transducer to measure displacement , Microphone for converting sound signal into electrical signal with a high gain amplifier, Temperature sensor with change 10mv/1 Degree, NTC

type thermistor temp sensor, J Type thermocouple: For measuring high temp with high accuracy , Sound Indicator: Provide high volume beep,

HALL SENSOR: WH315 sensor is used to sense magnetic field and study of hall effect,

STRAIN GAUGE: Strain gauge for measuring stress and force and O/P with high gain amplifier,

ULTRASONIC TRANSRECEIVER: Ultrasonic sensor for measuring distance upto 252 inch.

HUMIDITY SENSOR: To Measuring environment humidity and gives analog voltage

Light depended resister whose resistance vary with respect to light, Photo Transducers: photo diode ,photo transistor ,photo voltaic cell photo conductive cell, Linear variable capacitor (LVC).

Output transducers

Heat Output

Light Output

Rotational Output

Sound output

Linear Movement Output

Event Count/Time Indication

Voltage Indication

Signal Conditioning circuitry

Amplifiers

Oscillators and Filters

Mathematical operations

Convertors

Miscellaneous

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