



52072A.11 to 52072A31: Sensors Trainer Board is an excellent learning tool for starters for studying different types of sensors & interfacing them with Atmega328 microcontroller using Arduino Programming. The board could be ideal training systems for learning "How sensors value could be read using microcontroller" The training kit has been enriched by the ideas of students who have put their inputs in designing/developing the same. System housed in attractive enclosure is supplied 5 volt adapter as power supply and instruction manual and no other accessories / equipments required.

52072A.11 Soil Moisture Sensor Trainer
Detection of percentage of moisture in any sample of soil.

52072A.12 Distance Measurement Trainer
Measurement of distance using ultrasonic sensor by transmitting /receiving ultrasonic waves.

52072A.13 Temperature Sensor Trainer
Determination of temperature of hot/cold object in Celsius Scale

52072A.14 Humidity Sensor Trainer
Measurement of dampness/humidity or present of water vapour in atmospheric air.

52072A.15 Human Detection Trainer
Live Human/Animal detection by motion sensing.

52072A.16 Gas Leakage Detector Trainer
Detection of Gas leakage with alert & alarm.

52072A.17 Fire Detection Trainer
Fire Detection with alarm

52072A.18 Biometric Pressure Sensor Trainer
Measurement of environmental air pressure & temperature.

52072A.19 IR Sensor Trainer
Measurement of speed of fan (Digital Tachometer)

52072A.20 Tilt Detector Trainer
Tilt Detection along with direction

52072A.21 DC Motor Control Trainer
Speed Control of DC motor by tilting the sensor.

52072A.22 Alcohol Level Detector Trainer
Measure the level of alcohol consumed by sensing human breathe.

52072A.23 Smoke Detector Trainer
Measure the volume of smoke present in any environmental condition.

52072A.24 Multi Color Generator Trainer
Generation of huge number of color lights LED for decoration

52072A.25 Sound Intensity Measurement Trainer
Measurement the sound level, intensity and loudness.

52072A.26 Magnetic Field Detector Trainer
Detection of presence of magnetic field.

52072A.27 UV Ray Intensity Measurement Trainer

Measurement of intensity of UV light

52072A.28 Liquid Detector Trainer
Detection of Water or any liquid

52072A.29 RFID Based Security System Trainer
RFID based Door Locking/opening Security System.

52072A.30 Color Sensor Trainer
Determination of frequency of various colors and determining color.

52072A.31 Rain Fall Detector Trainer
Detection of rain and quantity of rain fall

Board Consist Of Following Part

- 01 16*2 LCD for result display or LED/Buzzer for result indication
- 02 Reset Switch .
- 03 Detail operating instruction manual.

Features

- 01 Weight : 200 Grams
- 02 Dimension : W 176 x H 131 x D 50mm

Note: Specifications are subject to change.

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