Questions

Question

0.0/1.0 point (graded)

Which unit is required to convert the physical output (or non-electrical output) of the sensor to an electrical quantity

- ◯ Sensing unit
- ◯ Signal Conditioning unit ✔ ✔
- ◯ Data Representation Unit
- ◯ All of the above

Submit

You have used 0 of 1 attempt

Answers are displayed within the problem

Question

0.0/1.0 point (graded)

Not all transducers are sensors but most sensors are transducers. Do you agree with this statement?

Select an option **Answer:** True

Submit You have used 0 of 1 attempt

Answers are displayed within the problem

Question

0.0/1.0 point (graded)

To detect existence of foreign ships, usually radar sensor is used and it emits ultrasonic waves and receives refletction from far objects. Which kind of sensor is it?

- ◯ Active ✔
- ◯ Passive
- ◯ Both

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Answers are displayed within the problem

Question

0.0/1.0 point (graded)

If we want to geenrate AC voltage from Sound wave, which kind of transducer can we use?

- ◯ Pressure
- ◯ Piezoelectric ✔
- ◯ Ultra-sound

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Question

0.0/2.0 points (graded)

Which statements are true for LDR sensor?

- ☐ at day light the resistance decreases ✔
- ☐ at day light the conductivity increases ✔
- ☐ at low light the resistance decreases
- ☐ at low light the conductivity decreases ✔

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Question

0.0/1.0 point (graded)

why the ac remote does not work with TV or Projector remote?

- ◯ different modulation ✔
- ◯ different working mechanism
- ◯ totally different internal circuitry
- ◯ No, it will work fine.

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Question

0.0/1.0 point (graded)

Pulse oxymeter is:

- ◯ Active Sensor ✔
- ◯ Passive Sensor

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Answers are displayed within the problem

Question

0.0/1.0 point (graded)

Thermocouple works on the principle of:

- ◯ resistance
- ◯ capacitance
- ◯ potential difference ✔

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Answers are displayed within the problem

Question

0.0/1.0 point (graded)

Thermistor works on the priciple of:

- ◯ relationship between temperature and capacitance
- ◯ relationship between temperature and resistance ✔
- ◯ relationship between temperature and inductance

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Answers are displayed within the problem

Question

0.0/1.0 point (graded)

In case of metal object detection, generally the proximity sensor uses:

- ◯ Inductive property ✔
- ◯ Capacitive property
- ◯ Electromagnetic property
- ◯ None of the above

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Answers are displayed within the problem

Question

0.0/1.0 point (graded)

How americium works in smoke sensor?

- ☐ smoke distrupts the flow of ions ✔
- ☐ smoke reduces flow of light into detector device
- ☐ reduced flow of ions also reduces flow of electricity ✔

- [ ] reduced detection of lights determines presence of smoke

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Answers are displayed within the problem

Question

0.0/2.0 points (graded)

Gas sensor works with the priciple of:.

- ◯ free electrons ✔
- ◯ protons
- ◯ neutron

When the electron released from the surface of SnO2, that means:

- ◯ gas is clear
- ◯ gas is polluted with dust ✔

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Answers are displayed within the problem

Question

0.0/1.0 point (graded)

How capacitive finger print sensors differentiate between the actual user's finger or duplicate print of user's finger:

- [ ] difference in resistive value
- [ ] difference in electrostatic field value ✔
- [ ] difference in capacitance ✔
- [ ] All of the above

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Answers are displayed within the problem

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