

Using Computer in Teaching Physics - 3rd year - education

1. a- Count the overall requirements for the measurement system.
b- Explain what is the transducer? How does Platinum resistance thermometer work as a temperature transducer?
2. a- Explain the physical properties and performance characteristics of a transducer with examples.
b- Explain what is the transducer? How does thermocouple work as a temperature transducer?
3. a- Explain how a measurement system is concerned with the representation of one physical phenomenon by another with examples.
b- Explain what is the transducer? How does thermocouple work as a temperature transducer?
4. a- How the dynamic response of a transducer is concerned with the ability for the output to respond to changes at the input?
b- Explain what is the transducer in semiconductor photo-detectors.
5. Explain what is the transducer? Explain:
a- How does radiation pyrometer work as a temperature transducer?
b- How does Light dependent resistor (LDR) work as a temperature transducer?