

Sensor

Changes with environment and can be seen

- Mechanical
- Pneumatic
- Capacitive
- Resistive
- Inductive
- Optical

Mechanical

- Bimetal coil temperature
- Strain gauge

Pneumatic

- Fluid or air Tube air pressure temperature

Capacitive (charge)

- $C = \text{Area} / \text{Distance} (\text{dielectric constant})$
- Variable capacitor (tuning knob)
- Sliding sheath on column
- Floor tile
- Fish

Resistive

- Charge capacitor to find resistance
- Thermistor
- Salt doped fabric Humidity
- Carbon , fsr
- Carbon microphone

- Selenium

Inductive

- Charge through a resistor to test
- Microphone
- Linear

Optical

- Selenium (big)
- CDS
- Diode
- Photo darlington
- Vidicon
- CCD
- Memory based cameras

Semiconductor

- Light,
- Accelerometer