

# Pressure Sensor (8A)

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- Pressure Sensor

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# Pressure

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**Absolute Pressure**

**Gage Pressure**

**Differential Pressure**

# Pressure Sensor Components

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## Pressure Sensing Element

- Bourdonn Tube
- Diaphragm
- Bellows

## Transduction Element

## Signal Conditioning

# Pressure Sensor Types

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- **Strain gauge**
- **Capacitive**
- **Potentiometric**
- **LVDT**
- **Piezo-electric**
- **Silicon Pressure Sensor**
- **Optical**

## References

- [1] <http://en.wikipedia.org/>
- [2] Nam Ki Min, Sensor Electronics, Dong-il Press