Barometer

# Pressure Sensor

* Found most to read 300-1100hPa (4.35-15.95psi)
* Most have I2C interfacing?
* Most come with amplifying circuits

# **Barometer with unamplified digital outputs**

[Link to Sensor and Datasheet](http://www.servoflo.com/sensors-by-application/barometric-pressure-measurement-a-compensation/item/463-ms5607.html?utm_source=EMS+Applications+-+July+2013&utm_campaign=EMS-Newsletter&utm_medium=archive)

Requires:

* Voltage stepping with OP-amps
* Logic to convert data into something meaningful

Features:

* Digital outputs
* I2C interfacing and SPI interfacing up to 20MHz

Humidity Sensor

* Most I2C interfacing
* Analog/Digital outputs

# **Humidity sensor with unamplified analog outputs**

[Link to Sensor and Datasheet](http://www.directindustry.com/prod/honeywell-sensing-productivity-solutions/product-12365-29563.html)

Requires:

* Voltage stepping with OP-amps
* Possible ATD conversion
* Logic to convert data into something meaningful

Features:

* Relative humidity sensor