Qwiic Pressure/Humidity/Temp (PHT) Sensor - MS8607

SPX-16298 ROHS

The MS8607 from TE is an impressive combination pressure, humidity, temperature (PHT) sensor with accuracy of ±2mbar pressure, ±3% humidity, and ±1°C. Perfect for sensing general weather conditions the MS8607 really shines for high altitude, low pressure applications. Capable of sensing down to 10mbar, this pressure sensor separates itself from many other I²C pressure sensors like the BME280. The MS8607 is simple to use and gives the user some very powerful readings with very little power and conversion time.

Hook up is a breeze with as the breakout board is using the Qwiic connect system. We have a fully formed Arduino library and extensive examples to get you up and running quickly. The breakout board has built-in 2.2kΩ pullup resistors for I²C communications. If you're hooking up multiple I²C devices on the same bus, you may want to disable these resistors.

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FEATURES

- Operating Range:
    - 10 - 2000mbar
    - 0 - 100% Humidity
    - -40 - 85°C
- Accuracy (at 25°C):
    - ±2mbar pressure
    - ±3% humidity
    - ±1°C
- Resolution:
    - 0.016 mbar
    - 0.04 % Humidity
    - 0.01 C
- Supply Current (1Hz, 1024 OSR): 0.78uA
- Standby Current: 0.03uA
- Conversion Time (PHT): 4ms