

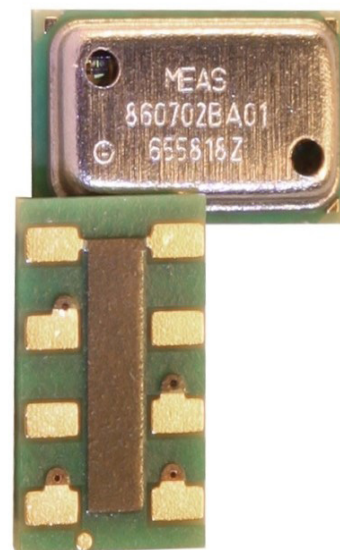
INTRODUCING

MS8607-02BA01

PHT COMBINATION

SENSOR

- Enhance design capability with digital pressure, humidity and temperature sensor combination
- Satisfy low profile requirements with QFN package



TE Connectivity (TE) introduces the MS8607-02BA01, PHT combination sensor. This digital sensor provides an all-in-one package for sensing pressure, humidity and temperature. The sensor is ultra-compact (5x3x1 mm³) and comes factory calibrated. Designed for flexibility and convenience, the MS8607 can be utilized with any microcontroller that has an I²C-bus interface.

BENEFITS

- Enhance design capability with digital 24-bit pressure and temperature and 16-bit digital relative humidity combination
- Satisfy low profile requirements with QFN (quad-flat-no-leads) 5x3x1 mm³ package size
- Utilize a standard I²C interface

APPLICATIONS

- Smart phones
- Tablets
- HVAC
- Weather stations
- Printers
- Home appliance and humidifiers

DISTINGUISHING CHARACTERISTICS

- Size: 5 x 3 x 1mm³
- Integrated Digital Pressure Sensor: 24-bit $\Delta\Sigma$ ADC
- Operating Pressure Range: 10 to 2000mbar
 - Pressure Accuracy: ± 2.0 mbar (@25°C, 300 to 1100mbar)
 - Pressure Resolution: 0.016mbar
- Operating Humidity Range: 0 – 100%R.H.
 - Humidity Accuracy: ± 3.0 %R.H. (@25°C, 20 to 80%RH)
 - Humidity Resolution: 0.04%R.H.
- Operating Temperature Range: -40°C to +85°C
 - Temperature Accuracy: ± 2.0 °C (-20°C to +85°C)
 - Temperature Resolution: 0.01°C
- Supply Voltage: 1.5 to 3.6V
- Interface: I²C

LEARN MORE

[MS8607-02BA Sensor Landing Page](#)

[MS8607-02BA Sensor Data Sheet](#)

[Sensor Overview Page](#)

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