Smart Thermostats
Experts in Environmental Sensing

Reach a New Level of Comfort Using SHTxx Humidity and Temperature Sensors

- Most accurate humidity and temperature readings
- Highly reliable and digital sensing platform
- Super-fast response times
- Unmatched price-performance ratio

www.sensirion.com/humidity
Humidity Sensors SHTxx

HUMIDITY SENSOR SHT3X
- Typ. accuracy (%RH): ± 2 (SHT30/SHT31), ± 1 (SHT35)
- Typ. accuracy (°C): ± 0.2 (SHT30/SHT31), ± 0.1 (SHT35)
- Response time (τ 63%): 8 s RH, >2 s T
- Supply voltage range: 2.4 – 5.5 V
- Size: 2.5 × 2.5 × 0.9 mm³

HUMIDITY SENSOR SHTW2
- Typ. accuracy (%RH): ± 3
- Typ. accuracy (°C): ± 0.3
- Response time (τ 63%): 8 s RH, <5 to 30 s T
- Supply voltage range: 1.62 – 1.98 V
- Size: 1.3 × 0.7 × 0.5 mm³

HUMIDITY SENSOR SHTC1
- Typ. accuracy (%RH): ± 3
- Typ. accuracy (°C): ± 0.3
- Response time (τ 63%): 8 s RH, <5 to 30 s T
- Supply voltage range: 1.62 – 1.98 V
- Size: 2.0 × 2.0 × 0.75 mm³

COMING SOON: HUMIDITY SENSOR SHTC3
- Typ. accuracy (%RH): ± 2
- Typ. accuracy (°C): ± 0.2
- Response time (τ 63%): 8 s RH, >2 s T
- Supply voltage range: 1.62 – 3.6 V
- Size: 2.0 × 2.0 × 0.75 mm³

HUMIDITY AND TEMPERATURE COMPENSATION ENGINE

Ambient relative humidity (RH) and temperature (T) sensing through advanced compensation algorithm support: Despite an ideal sensor placement surrounding internal heat sources may influence the RH/T readings. To provide best user experience, Sensirion developed a tool as well as algorithms to compensate for external influences. In addition, Sensirion also offers design-in support, reviews and other services to optimize total product design and performance.

www.sensirion.com/humidity