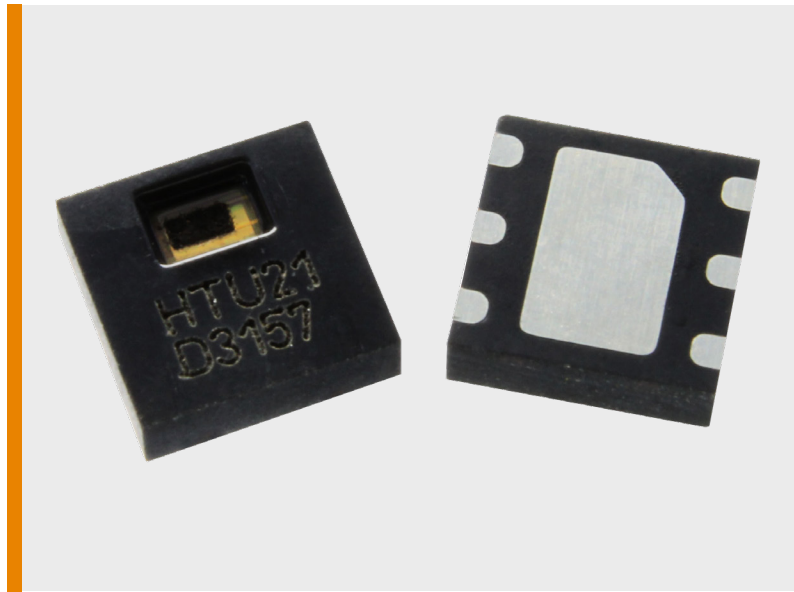


INTRODUCING HTU2X HUMIDITY SENSORS

- Enable precise engineering and environment measurement
- Support reliable, consistent system performance even in the most demanding conditions



Today's energy efficient industrial, appliance and consumer applications, like HVACR, require optimal system performance to meet environmental and end user expectations. TE Connectivity's (TE) engineering and 20+ years of experience provides humidity and temperature combination sensors with leading response time, precision in measurement and sustained performance even when exposed to extreme changes and conditions. TE's HTU2x senses the true relative humidity and temperature to provide best in class performance and superior value to competitive solutions.

APPLICATIONS

- Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)
- Building Equipment
- Building Controls
- Dishwashers

KEY BENEFITS

- Enable optimal system performance and precise engineering with a strict linear response curve through humidity (0-100%) and temperature (-40 to 125°C)
- Support reliable, consistent system performance even in the most demanding conditions driven by properties of TE's specific polymer combined with calibration slope and offset skills
- Support fast response times (t63% in 2 sec) with TE's humidity die structure
- Enable precise environment measurement even after high humidity exposure or condensation events with TE's specific die and IP67 rated sealing with filter options
- Provide design flexibility with options on both standard ABD models and customized ABD models to fit the packaging of the end application

MARKET INFORMATION

- Sensirion - SHT21 & SHT31
- Silicon Labs - Si7020
- ALPS - HSHCA
- Texas Instruments - HDC1080

TARGET MARKET

- Industrial
- Appliance
- Consumer

QUICK PERFORMANCE OVERVIEW

	HTU21D	HTU21DF	HTU21P	HTU20D	HTU20DF	HTU20P
DFN package Size (mm)	3.0x3.0x0.9					
Power supply (V)	1.5 - 3.6					
Operating Range	Relative Humidity: 0 -100%RH Temperature: -40°C / 125°C Maximum Humidity of 250g/Kg					
RH Accuracy 20%RH - 80%RH	±2%RH Typ ±3%RH Max Fully calibrated			±3%RH Typ ±5%RH Max Fully calibrated		
T° Accuracy 5°C - 60°C	±0.3°C Typ ±0.4°C Max Fully calibrated					
Output	I ² C*	I ² C*	PWM**	I ² C*	I ² C*	PWM**
Filter	NO	YES	NO	NO	YES	NO

LEARN MORE

- [Humidity Sensor](#)
- [HTU2x Selection Infographic](#)
- [HTU2x Sell Sheet](#)
- [HTU21 Humidity Temperature Video](#)
- [Humidity Sensor Trend Paper](#)
- [HTU2x Part List](#)