

New Product Announcement

Now at Mouser: TE Connectivity's HTU31 High-Accuracy Humidity & Temperature Sensors for Harsh Environments

September 30, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now offering the new [HTU31](#) relative humidity sensors from [TE Connectivity](#) (TE), a world leader in connectivity and sensors. One of the smallest and most accurate humidity sensors on the market, the compact, high-accuracy sensors deliver reliable performance in harsh environments, including in [industrial](#), [automotive](#), and [medical](#) applications.

[TE's HTU31](#) devices — now shipping from Mouser in a digital version, with an analog version coming soon — are surface mount relative humidity sensors with a temperature output. The sensors offer fast response times, precision measurement, and low hysteresis, even when exposed to extreme temperature and humidity environments. The sensors have an operating temperature range of minus 40 degrees to 125 degrees Celsius with a typical accuracy of ± 0.2 degrees. Measuring relative humidity from 0 to 100 percent, the sensors offer resolution to 0.01 and an accuracy of ± 2 percent.

The HTU31 sensors feature an operating voltage range of 3.3 V to 5.5 V, and maintain an active current consumption of just 450 μ A, with sleep modes down to 0.05 μ A. The sensors are qualified according to AEC Q100 Grade 1 standards and are housed in a compact, 6-pin DFN package measuring 2.5 mm \times 2.5 mm \times 0.9 mm. In addition to harsh environment performance, the sensors are also suitable for applications such as HVAC, home appliances, respiratory devices, and environmental monitoring solutions.

To learn more about the HTU31 Relative Humidity Sensors from TE Connectivity, visit <https://www.mouser.com/new/measurement-specialties/te-htu31-relative-humidity-sensors/>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on New Product Introductions from its leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. Mouser offers 27 support locations worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit www.mouser.com.

About TE Connectivity

TE Connectivity is a \$13 billion global industrial technology leader creating a safer, sustainable, productive, and connected future. Our broad range of connectivity and sensor solutions, proven in the harshest environments, enable advancements in transportation, industrial applications, medical technology, energy, data communications, and the home. With nearly 80,000 employees, including more than 8,000 engineers, working alongside customers in approximately 150 countries, TE ensures that EVERY CONNECTION COUNTS. Learn more at www.te.com.

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