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Press Information

E+E Elektronik at Sensor+Test 2026

The Austrian sensor specialist demonstrates how reliable, highly accurate sensor technology makes processes smarter and more efficient, particularly in HVAC applications and modern home appliances.

(Engerwitzdorf, April 2026) **Under the motto "Step into the World of Trusted Measurement", E+E Elektronik will present its latest developments and innovative technologies for stable and optimised processes at this year's Sensor+Test in Nuremberg from 9 to 11 June. With a focus on HVAC applications and home appliances, the company will highlight precision in temperature and humidity control as well as the reduction of maintenance costs at Booth 134 in Hall 1. E+E Elektronik will also showcase its three latest sensor developments: the AVS701, the HTS401 and the TDS501.**

Precision and reliability in temperature and humidity control are essential for superior product quality and greater efficiency. At the same time, robust sensor solutions and low maintenance costs are key. Thanks to their modular component design, E+E Elektronik sensors can be tailored precisely to customers' individual systems. At the trade fair, the company will present innovative technologies that make systems and processes smarter and more efficient.

Highly accurate measurements for efficient building automation

Building automation and HVAC systems are essential for creating comfortable, energy-efficient and sustainable indoor environments. From commercial and industrial buildings to data centres, medical facilities, transport hubs, and sports and entertainment venues, precise measurement and intelligent control of temperature, humidity, CO_2 and airflow ensure reliable operation, optimised energy use and long-term building performance.

Solutions on display:
As part of an interactive experience zone, visitors to Sensor+Test will be able to experience the strengths of E+E Elektronik first hand. The sensor specialist will present a broad cross-section of its product portfolio for building automation, including the following sensors:

The **HTS801** is a highly accurate humidity and temperature sensor for particularly demanding measurement tasks. It performs reliably even under the most challenging conditions, such as high humidity and chemically polluted environments. Various probe and housing options enable operation from -80 °C to 180 °C and up to 300 bar.

The **EE600 differential pressure sensor** is designed for reliable differential pressure measurement in HVAC, building automation and filter monitoring applications. It is available in two versions for pressures up to 1000 Pa and 10000 Pa and offers outstanding accuracy of ±0.5 % of full scale.

The **HTS401 modular humidity and temperature sensor** offers modern humidity and temperature measurement that is fail-safe, precise and designed for the most demanding environments. With measurement accuracy of up to ±0.95 % RH and ±0.1 °C, as well as an operating range of -40 °C to +80 °C, the HTS401 can be integrated flexibly into a wide variety of applications, from outdoor installations to cleanroom environments.

Lower maintenance costs thanks to intelligent components

Maintenance costs time and money, especially when sensors are difficult to access or need to be replaced regularly. E+E Elektronik sensor solutions feature a modular design, allowing sensors and components to be replaced quickly and easily. This helps avoid long and costly downtimes. At the same time, the flexible design creates additional installation options and simplifies integration into existing systems. **E+E sensing elements** for humidity, CO_2, pressure and temperature help maximise efficiency while minimising maintenance costs.

Solutions presented by E+E Elektronik:

The **EE895 module** measures not only CO_2 concentration, but also temperature and ambient pressure. Pressure and temperature compensation with integrated sensors minimises the influence of the environment on the CO_2 measurement. As a result, the EE895 offers particularly high CO_2 measurement accuracy, regardless of altitude or changing ambient conditions. It also recently met the requirements of **ANSI/ASHRAE Standard 62.1-2022 (Addendum d)**.

The **TEE501 digital temperature sensing element** delivers measurement accuracy of up to ±0.2 °C and offers a wide operating temperature range. Its compact DFN package with integrated pull-up resistors enables easy design-in.

New products at Sensor+Test

In addition to the **HTS401**, E+E Elektronik will present the following new products:

The **TDS501** delivers continuous dew point data down to -70 °C Td and, with its new four-element measurement principle, enables uninterrupted 24/7 process monitoring. At the same time, it supports efficient dehumidification control. Thanks to its robust industrial design and easy integration via analogue and digital interfaces, the TDS501 helps reduce avoidable energy consumption and unplanned downtime.

The **AVS701** sets new standards in the measurement of air and gas velocity. The sensor has been proven to last up to 20 times longer in harsh environments. It combines highly accurate measurement, easy installation thanks to precise sensor positioning, and an integrated process gas library. An optional external pressure sensor also compensates for changes in ambient pressure.

High-End Sensor Calibration – around the World

E+E Elektronik will also present its outstanding expertise in calibration. As one of the leading companies in this field, E+E Elektronik ensures that instruments are calibrated to the highest quality standards. This guarantees optimum performance and compliance.

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Images

HTS 801

EE600

EE895

TEE501

TDS501

AVS701

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Company profile

E+E Elektronik is an Austrian sensor specialist in the fields of humidity, dew point, moisture in oil, CO2, air velocity, flow, pressure and temperature. Handheld measuring devices, humidity calibration systems and calibration services complete the comprehensive product portfolio. The aim of E+E is to support its partners around energy savings and process optimization. The main applications for E+E products are in industrial measurement technology as well as HVAC and building automation.

A certified quality management system in accordance with ISO 9001 and IATF 16949 ensures the highest quality standards. E+E Elektronik is represented by its own subsidiaries in China, Germany, France, India, Italy, Korea, USA and sales partners in more than 60 countries worldwide. The accredited E+E calibration laboratory is commissioned by the Austrian Federal Office of Metrology and Surveying (BEV) to provide the national standards for humidity, dew point, air flow velocity and gas concentration CO_2.

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