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Press Release

# Step into the World of Trusted Measurement

E+E Elektronik at Sensor+Test 2025

(Engerwitzdorf, 22.04.2025) **After a two-year break, E+E Elektronik will once again be exhibiting at Sensor+Test 2025, taking place from 6 to 8 May in Nuremberg. In Hall 1, Stand 663, the Austrian sensor specialist will be showcasing its latest products under the motto “Step into the World of Trusted Measurement”. The focus will be on precision and reliability in temperature and humidity control, as well as on reducing maintenance costs. In Hall 2, in the Calibration Area, E+E Elektronik will also highlight its outstanding expertise in sensor calibration.**

Precision and reliability in temperature and humidity control are key to improving product quality and increasing efficiency. The goal is accurate measurement through robust sensor solutions, while at the same time reducing maintenance costs. Thanks to their modular design, E+E Elektronik's sensors are tailored precisely to the individual systems of their customers. At the trade fair, innovative technologies will be presented that make systems and processes not only smarter, but above all more efficient.

## High-Precision Measurements for More Uniform Drying, Improved Product Quality and Reduced Waste

In industrial applications, every percentage point of accuracy matters. Even the smallest deviation in temperature or humidity can lead to inconsistent results, longer drying times or a loss in product quality. High-precision sensors ensure reliable and uniform drying, optimise these processes and help prevent costly waste. Thanks to state-of-the-art technology, E+E Elektronik's humidity and temperature sensors offer accuracy of up to 1%.

### Presented Solutions:

The **HTS801** is a high-precision humidity and temperature sensor designed for particularly demanding measurement tasks. It performs reliably even under challenging conditions such as high humidity and chemical contamination. Various probe and housing options enable operation from -80 °C to 180 °C and up to 300 bar.

The **HTP501** digital humidity and temperature probe is designed for use in drying chambers and other demanding industrial applications. The stainless steel probe offers outstanding measurement accuracy and can be used in temperatures ranging from -40 to 120 °C. The measured values are available via the RS485 interface using the Modbus RTU protocol.

The **EE212** humidity and temperature sensor with interchangeable sensing module is optimised for demanding HVAC applications across a wide range of industries. The injection-moulded sensing module inside the sensor head is extremely robust, easy to handle and can be replaced without the need for tools.

## Lower Maintenance Costs Thanks to Intelligent Components

Maintenance costs time and money – especially when sensors are hard to access or need to be replaced frequently. E+E Elektronik's sensor solutions are modular in design, allowing sensors and components to be replaced quickly and easily. This helps to avoid long and expensive downtimes. Additionally, the flexible design offers more installation options and simplifies integration into existing systems. E+E sensing elements for humidity, CO<sub>2</sub>, pressure and temperature support maximum efficiency while keeping maintenance costs to a minimum.

### Presented Solutions:

The **EE895** module measures not only CO<sub>2</sub> concentration but also temperature and ambient pressure. The integrated pressure and temperature compensation minimises the influence of environmental conditions on CO<sub>2</sub> measurement. As a result, the EE895 offers particularly high CO<sub>2</sub> measurement accuracy – regardless of altitude or changing ambient conditions.

The **HTE501** digital humidity and temperature sensing element offers outstanding measurement accuracy up to  $\pm 1.8\%$  RH and  $\pm 0.2\text{ }^{\circ}\text{C}$ . The proven E+E sensor coating and the integrated constant current heater ensure high reliability and durability, even in harsh, contaminated or condensing environments.

The **TEE501** digital temperature sensing element impresses with an accuracy of up to  $\pm 0.2\text{ }^{\circ}\text{C}$  and a wide operating temperature range. The compact DFN housing with integrated pull-up resistors enables simple design-in of the sensing element.

## Versatile, Efficient, Convenient – Up to 50% Time Savings with the New Omniport 40

In addition to sensor solutions and sensing elements designed to increase efficiency, E+E Elektronik will also present the updated version of its proven multifunctional hand-held device. The new Omniport 40 focuses on improving efficiency while reducing costs – particularly for applications in maintenance industry.

## High-End Sensor Calibration – Around the World

In Hall 2, in the Calibration Area, E+E Elektronik will also showcase its outstanding calibration expertise. As one of the leading companies in this field, E+E Elektronik ensures that its devices are calibrated to the highest quality standards. This guarantees optimum performance and compliance.

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Words: 713

## Images



HTS 801



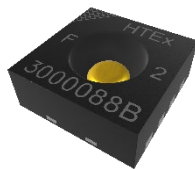
HTP501



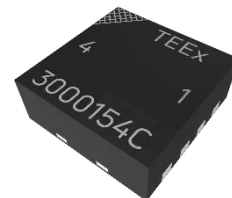
EE212



EE895



HTE501



TEE501

Photos: E+E Elektronik Ges.m.b.H., reprinting free of charge

## Company profile

E+E Elektronik is an Austrian sensor specialist in the fields of humidity, dew point, moisture in oil, CO<sub>2</sub>, 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 in the area of 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<sub>2</sub>.

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