

Specialists in Sensors and Transmitters



E+E Elektronik develops and produces sensors and transmitters for humidity, temperature, dewpoint, moisture in oil, air velocity, CO₂ and mass flow. Data loggers, hand-held measuring devices, humidity calibration systems and professional calibration services round off the comprehensive product range of this sensor specialist headquartered in Engerwitzdorf, Austria.

Sensor technology from E+E Elektronik is used all over the globe in various industries. Key areas of application are HVAC, building automation, industrial process control, automotive, pharmaceutical and food industry, clean rooms, environment and agriculture. All E+E products stand out by high accuracy and excellent long-term performance.

All E+E transmitters feature sensing elements developed in-house and manufactured in own state of the art clean rooms. Custom-engineered electronics and unequalled calibration know how allow for the highest flexibility in meeting customer specific requirements. This makes E+E Elektronik the ideal partner for OEM applications.

As supplier of high quality products, E+E Elektronik meets ISO 9001 quality assurance standards. Furthermore, the company fulfils the ISO/TS 16949 requirements which are essential for the automotive industry. As a member of the Climate Alliance E+E takes seriously their responsibility towards the environment and introduced the management system in accordance with ISO 14001.

E+E Elektronik operates an accredited calibration laboratory in accordance with DIN EN ISO/IEC 17025. As a designated laboratory (NMI), E+E Elektronik has been commissioned by the Austrian Federal Office for Metrology (BEV) to provide the national standard for relative air humidity and air velocity.

Overview of E+E capabilities and products

Relative Humidity

The comprehensive range of humidity measurement products ranges from sensing elements for the automotive industry to robust and reliable industrial measurements devices and precision sensors for meteorological applications. E+E also manufactures transmitters for building automation and cost-effective modules for OEM applications, as well as, hand-held devices, data loggers and wireless sensors.

Moisture in Oil

The moisture in oil measuring devices produced by E+E Elektronik make an important contribution to the long-term durability and functionality of facilities and machines. They monitor the moisture content of lubricant and insulation oils. Various models are available, from high-end GL-certified transmitters to compact OEM devices and hand-held instruments.

Dewpoint Temperature

E+E Elektronik transmitters measure accurately dewpoint in compressed air plants, dryers and other industrial processes. An autocalibration procedure leads to high accuracy down to -60 °C Td and to outstanding long term performance.

Air Velocity

E+E air velocity sensors operate on the hot-film anemometer principle and measure precisely even the slightest air flow. Typical applications are clean rooms, laminar flow monitoring and building automation.

CO₂

E+E Elektronik CO₂ sensors operate on the non-dispersive infrared (NDIR) dual wavelength principle. The auto-calibration procedure leads to outstanding long term stability in demand controlled ventilation and building management, as well as, in demanding process control applications.

Mass Flow

Thermal flow meters from E+E Elektronik are used for monitoring and metering compressed air and industrial gases regardless of their pressure and temperature. Different models and innovative mounting designs allow for use in pipe diameters from DN15 to DN700 and up to 40 bar operating pressures.

Temperature

Various models of temperature sensors are optimized for HVAC, building automation and OEM applications. The innovative, compact enclosure with high protection class allows for very easy installation.

Calibration Service

E+E Elektronik offers professional calibration services for relative humidity, dewpoint, air velocity, mass flow, temperature, CO₂ and pressure either in the accredited calibration laboratory or directly on site. High-end calibration of relative humidity or air velocity measuring devices are performed by the NMI-designated calibration laboratory.

Facts & Figures

E+E Elektronik Ges.m.b.H based in Engerwitzdorf, Austria was founded in 1979. Since 1994, the company belongs to Dr. Johannes Heidenhain GmbH, a global industrial group with its headquarters in Traunreut, Germany. The company currently employs around 260 people. Beside subsidiaries in China, Germany, France, Italy, Korea and the USA E+E Elektronik has a worldwide dealership network. In 2015, the company generated a turnover of around EUR 36 millions with exports accounting for around 97% and R&D investments for 10% of the turnover.