# Press Release

**DST55R strain sensor with long-term seal for increased operational safety in tough outdoor conditions**

(October 30th, 2018) Baumer is extending its portfolio with the DST55R range of strain sensors with long-term seal,

offering a cost-effective solution for measuring in tough outdoor conditions. The sensors are a significant improvement on the standard models on the market due to their category C5-M corrosion-resistant materials, IP69K protection rated seal and the Baumer proTect+ impermeability concept as well as their digital

CANopen interface, and extended operating temperature range of -40 to +85°C. They are particularly suitable for industrial applications in the outdoor environment such as mobile automation.

Thanks to their intelligent design, the use of durable materials and the clever impermeability concept, these strain sensors have long-term protection against moisture and dust. Together with their high measuring accuracy, extremely good repeatability of measured results, and low inherent stiffness, they guarantee safe monitoring and control of demanding processes even in extreme weather conditions such as applications on coastlines.

The robust strain sensors are based on DMS technology. They are available with integrated electronics and options for a voltage output or a CANopen interface. The latter allows simple integration into existing bus systems with minimum cabling requirements, is resistant to interference, and offers a more accurate resolution.

Factory calibration to elongation allows straightforward installation without having to calibrate with a separate force sensor. This increases the measuring accuracy and saves time on commissioning and during servicing.

The sensors are available ex-works in a variety of measuring ranges from ±100 µm/m, ±250 µm/m, ±500 µm/m and ±1000 µm/m. A variety of applications can be covered by just one sensor variant which means low stock levels and reduced costs.

With their innovative measuring geometry, the DST55R strain sensors are significantly less sensitive to mechanical disruption. The result - precise measurements, extremely tight control and, last but not least, greater process security and quality.

Further information: www.baumer.com/DST55R

**Baumer at SPS IPC Drives: hall 4A, stand 335**

Fig.: With its robust housing, high measuring accuracy, and outstanding repeatability, the DST55R strain sensor with long-term seal is a positive process security asset in demanding outdoor conditions.

Number of characters (with spaces): approx. 2180

Text and picture download at: [**www.baumer.com/press**](http://www.baumer.com/press)

**Baumer Group**

The Baumer Group is one of the worldwide leading manufacturers of sensors, encoders, measuring instruments and components for automated image processing. Baumer combines innovative technologies and customer-oriented service into intelligent solutions for factory and process automation and offers an unrivalled wide technology and product portfolio. With around 2,700 employees and 38 subsidiaries in 19 countries, the family-owned group of companies is always close to the customer. Baumer provides clients in most diverse industries with vital benefits and measurable added value by worldwide consistent high quality standards and outstanding innovative potential. Learn more at [www.baumer.com](http://www.baumer.com) on the internet.

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