Press release

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**Position monitoring of a crane boom**

**Robust K100 draw-wire displacement sensors monitor the position and boom length of cranes in order to detect critical situations at an early stage. The sensors have a compact design, allowing them to be mounted in the crane boom. Their long service life, high repeatability, and ideal price-performance ratio for series applications are particular highlights.**

Micro-Epsilon Micro-Epsilon wireSENSOR WPS-K100 sensors are ideal for monitoring safety-relevant parameters such as the length of a crane boom in order to calculate the load torque and the boom position for the prevention of collisions. This is made possible due to their robust sensor design with glass-fiber reinforced plastic and the separate spring and drum chamber, which ensure a long service life even in harsh ambient conditions. The OEM-compatible sensors can be adapted to the relevant measurement task with various modifications. This model also offers an optimum price-performance ratio for series applications. Further advantages for integration in industrial applications are easy handling, the compact design, and the wide temperature range from -40 °C to +85 °C. The sensor can be combined with a customer-supplied encoder for signal evaluation. Depending on the variant and on customer requirements, the signal output can be analog via potentiometer, current, or voltage or digital via CANopen.

approx. 1,405 characters including spaces



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