

# Measuring length and inclination with one device

**Kuebler introduced its C100 and D125 draw-wire systems with integrated inclinometer. It comes with a measuring range of up to 10 m.**

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The sensor features CANopen connectivity (Photo: Kuebler)

As they make a major contribution to automation and safety, sensors have become indispensable in mobile automation. Draw-wire devices are the preferred choice for length measurement. Inclinometers are used e.g. for vehicle leveling. Nevertheless, this means that the vehicle manufacturer has to select and integrate accordingly two components. Kuebler has created the solution to remedy this problem: length and inclination measurement in one single device.

The draw-wire devices C100 and D125 have an integrated inclinometer. The devices offer different sensor types for example with CANopen interfaces. Other types provide incremental analog interfaces and relay or switching outputs. The measuring range of the C100 is 1 m to 5 m and for the D125 features 6 m to 10 m. The linearity of  $\pm 0,1$  % respectively  $\pm 0,5$  % of the measuring range ensures accuracy and therefore better performance, said the company.

The products come with an IP67 protection level and a temperature range of  $-40$  °C to  $+85$  °C, which makes them suitable for harsh environments. Additionally the systems provide a 5-pole M12 connector and require a power supply of  $9 V_{DC}$  to  $30 V_{DC}$  or  $5 V_{DC}$ .

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