

Linear Position Sensor for Mobile Hydraulics

Turck's new LTE sensor is particularly suitable for measuring the working strokes of hydraulic cylinders in mobile equipment

Mülheim, October 19, 2017 – Turck is adding the robust LTE for direct integration in hydraulic cylinders to its portfolio of linear position sensors. The magnetostrictive sensor can withstand shocks of up to 100 g and the vibrations that typically occur with agricultural and forestry machinery. The device is also insensitive to external influences, so that the LTE is even suitable for use in the hydraulic cylinders of construction machinery in extremely severe environments.

The user can set the measuring range flexibly according to the sensor type. Thanks to the field-proven magnetostrictive technology, the wear-free operating LTE guarantees high precision, linearity and repeatability. The sensor has a 16-bit resolution and also offers three signal ranges for mobile equipment (0...5 V, 0.25...4.75 V, or 0.5...4.5 V) in addition to the standard analog output signals of 0...10 V and 4...20 mA.

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Turck1317.jpg:

The LTE sensor measures the working strokes of hydraulic cylinders, especially in mobile equipment

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