Press release

No. 655e

**Precise eddy current measuring system for high ambient temperatures**

**The new eddyNCDT 3020 eddy current measuring system is used for fast and precise displacement, distance and position measurements in industrial applications. This sensor system delivers precise and stable measurement results even at ambient temperatures of up to 200 °C.**

The new eddyNCDT 3020 is a compact, powerful eddy current measuring system for fast and precise displacement, distance and position measurements in industrial applications. The powerful controller offers high resolution and detects rapid distance changes with high precision.

**For industrial applications at high temperatures**

Due to the enormous temperature resistance of the sensor (up to 200 °C) and controller (up to 105 °C), the complete measuring channel can be used at high ambient temperatures, which reduces thermal influences on the cable and increases measurement accuracy. Thanks to its robust and compact design and flexible connection and configuration options, the eddyNCDT 3020 is particularly suitable for industrial environments and machine integration. The system is used, for example, for distance measurement in welding applications, steel rolling processes or die casting systems.

**Wide sensor portfolio and simple setup**

The robust controller can be combined with a wide variety of sensors and is factory-adapted to ferromagnetic or non-ferromagnetic materials. Due to the extensive sensor portfolio, measuring ranges from 1 to 80 mm are covered.

The system can be configured very easily using the sensorTOOL, which offers great flexibility in use thanks to numerous setting options:

* Customizable scaling of analog output and measuring range
* Numerous options for condition monitoring (limit value monitoring via switching output)
* Data processing through averaging, mastering or data reduction
* 3-point linearization for customer-specific installation situations

*approx. 1,900 characters*

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