Press release

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**Even more powerful: New optoNCDT ILR3800 laser distance sensor**

**The optoNCDT ILR3800-100 laser distance sensor from Micro-Epsilon offers very high precision, signal stability, and repeatability on various surfaces by measuring distances up to 150 m. This robust and compact sensor is easy to install and can be used in a wide range of industrial applications. With a resolution of 0.1 mm and a measuring rate of 20 Hz, it is suitable for applications in fields such as logistics, automation, and the steel industry.**

With the optoNCDT ILR3800-100, Micro-Epsilon presents a new laser distance sensor. A special feature is the high signal stability and precision on different surfaces. Measurements can be taken from up to 150 m with a reflector and from up to 100 m without a reflector. The measuring rate is 20 Hz with a resolution of 0.1 mm. OEM users, in particular, benefit from the high repeatability < 300 µm and the excellent linearity < ± 1 mm. The robust aluminum housing, low sensor weight, and IP67 protection class offer ideal conditions for integration into industrial processes.

With the integrated AUTO measuring mode, the ILR3800-100 also measures dark, partially reflective, and distant targets precisely and reliably. The sensor is used whenever precise measurement values are required over long distances, including in transportation, logistics, and conveyor technology as well as in automation technology and the metal and steel industry. Settings can be easily made using the sensorTOOL software.

The ILR3800-100-H variant was developed for extreme outdoor conditions. Equipped with a heating system, it enables measurements in a temperature range of from -40 °C to +55 °C.

The sensor can be attached quickly using the integrated mounting plate with four set screws. An optional aluminum mounting plate is available for a secure hold and precise alignment.

approx. 1,870 characters including spaces



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