Press release

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**Detect oil leaks early on**

**Fiber-optic sensors from the optoCONTROL CLS1000 series reliably and precisely detect oil leaks in the event of seal failure. This prevents damage to the transmission, for example, which can occur in the event of a leak via the motor compartment. The compact 6 mm sensor head is easy to install – commissioning is quick via an integrated LCD display.**

Fiber-optic sensors of the optoCONTROL CLS1000 series from Micro-Epsilon ensure reliable detection of oil leaks in the event of seal failure. In the Linde Material Handling system, for example, a shaft seal protects the electric drive motor from the oil-lubricated transmission. A failure of the seal would go unnoticed and could lead to the motor compartment filling up with transmission oil, which would result in considerable damage to the transmission.

For reliable monitoring, the CLS1000 fiber-optic sensor with its compact sensor head of just 6 mm can be easily installed via a hole behind the end shield. This means that any transmission oil entering the motor compartment is detected immediately and reported via a relay circuit, which prevents any consequential damage.

An LCD display ensures quick and easy configuration of the sensor; and commissioning is performed directly via the sensor controller or via an external teach-in. All programming steps, status displays, as well as target and actual values are visualized via the digital display. CLS1000 controllers are available in five different versions, including with normally open/normally closed contacts, switching outputs, optocouplers, and current or voltage outputs. All controllers are also available with or without triggers.

approx. 1,700 characters including spaces



(PR634\_optoCONTROL CLS1000\_18x13.jpg)