

# New Products

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## Inductive Ring Sensors with Separable Housing

“Unlocking New Possibilities” Thanks to Sophisticated Features

**wenglor sensoric group inductive ring sensors set new standards for reliable and precise detection of small metal parts within feed hoses. In addition to sensor precision, the ring sensors impress in particular due to the separable housing, which enables the sensor to be mounted and removed from the hose quickly and flexibly. The use of correction factor 1 ensures reliable detection of all metal objects from a minimum size of 2 mm.**

wenglor's inductive ring sensors reliably detect metal objects at any point within the ring-shaped opening. The separable housing with two-part coil makes the installation process of the sensor on the hose much easier. Consequently, machine downtime can also be minimized when replacing hoses or during repairs. The portfolio includes both dynamic and static ring sensors. The dynamic functional principle captures small fast moving parts, such as rivets. Static ring sensors also detect objects inside the ring, e.g. for jam checks.

### Robust Soft Binder Enables Safe and Flexible Use

A flexible soft-binder on the sensor ensures simple and secure mounting on hoses of different sizes. This ensures stable fixing without hose deformation even in demanding environments with heavy vibrations, strong magnetic fields or compressed air. The soft binder also prevents the hose from tapering. Loss protection and the re-openable closure of the soft binder enable it to be reused multiple times

### High Ease of Use When Working on Feed Hoses

Another advantage is the cable outlet in the hose direction, which makes the sensors ideally suited even in confined spaces. The parallel cable outlet in the hose direction also helps to prevent obstruction of the system design and kinking of the cable. The status and switching status of the inductive ring sensors can be detected regardless of the installation position thanks to the all-round visible LED display. They are easily commissioned via Plug & Play and can be operated flexibly via IO-Link, and parameters and process data can be read out and processed reliably.

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## The Highlights at a Glance:

- Separable housing for quick assembly and disassembly on the hose
- Flexible soft binder on the sensor for flexible and secure mounting
- All-round visible LED display for status and switching status
- Use in confined spaces thanks to cable outlet in hose direction
- Static and dynamic operating principle
- Plug and Play
- Correction factor 1
- Easy parametrization via IO-Link 1.1

Approximately 2,200 characters

Text: wenglor Public Relations Office

Image: wenglor

## Captions

wenglor's inductive ring sensors with separable housing for reliable and accurate detection of small metal parts within feed hoses.

## About the wenglor sensoric group

The wenglor sensoric group develops innovative sensors, safety systems and machine vision products with intelligent interfaces and software for industry all over the world. Founded in 1983, wenglor is one of the world's key high-tech providers for the automated industry. The solutions of the wenglor sensoric group enable the trends of Industry 4.0 as well as the Internet of Things, 3D technologies, robotics and artificial intelligence (AI). In doing so, they conserve resources and increase the quality and safety of the manufactured products. The second-generation owner-managed family business is represented worldwide with 28 subsidiaries in 53 countries. In addition to the company headquarters in Tett nang, the group of companies with over 1,100 employees also develops and produces its multi-patented products in Munich, Berlin, Sibiu (Romania), Perth (Scotland), La Chevrolière (France) and Belgrade (Serbia).