wenglor
the innovative family

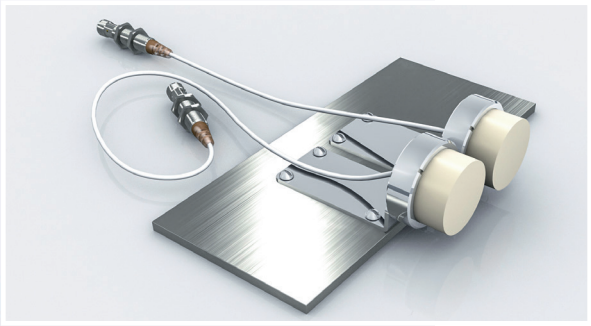
High Temperature Inductive Sensors

Series INTT2 and INTT3 Sensors

for Temperature Ranges from −10 to +250° C

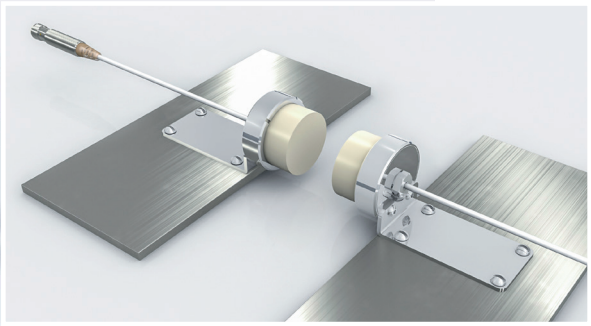
Series INTT2 and INTT3 sensors offer two decisive advantages: outstanding economic efficiency thanks to an average service life of more than 5 years and an analysis module integrated into the sensor's plug. This makes the sensors extremely compact.

Silicone-Free



More Effective Use of Installation Space in Your Systems

weproTec opens up new opportunities for system design.
The patented technology prevents sensors mounted directly next to each other from influencing each other reciprocally. Larger numbers of scanning operations can thus be executed in extremely tight spaces, or system safety can be enhanced by means of redundancies.



Where sensors are installed opposite each other, clearance is reduced from 8 to 1.5 times nominal switching distance thanks to weproTec.

Just Plug it In and Get to Work

- Easy installation thanks to ultra-compact analysis module inside the sensor's plug
- Highly compatible thanks to standardized M12 plug
- Flexible positioning with cable lengths of 1 to 30 m

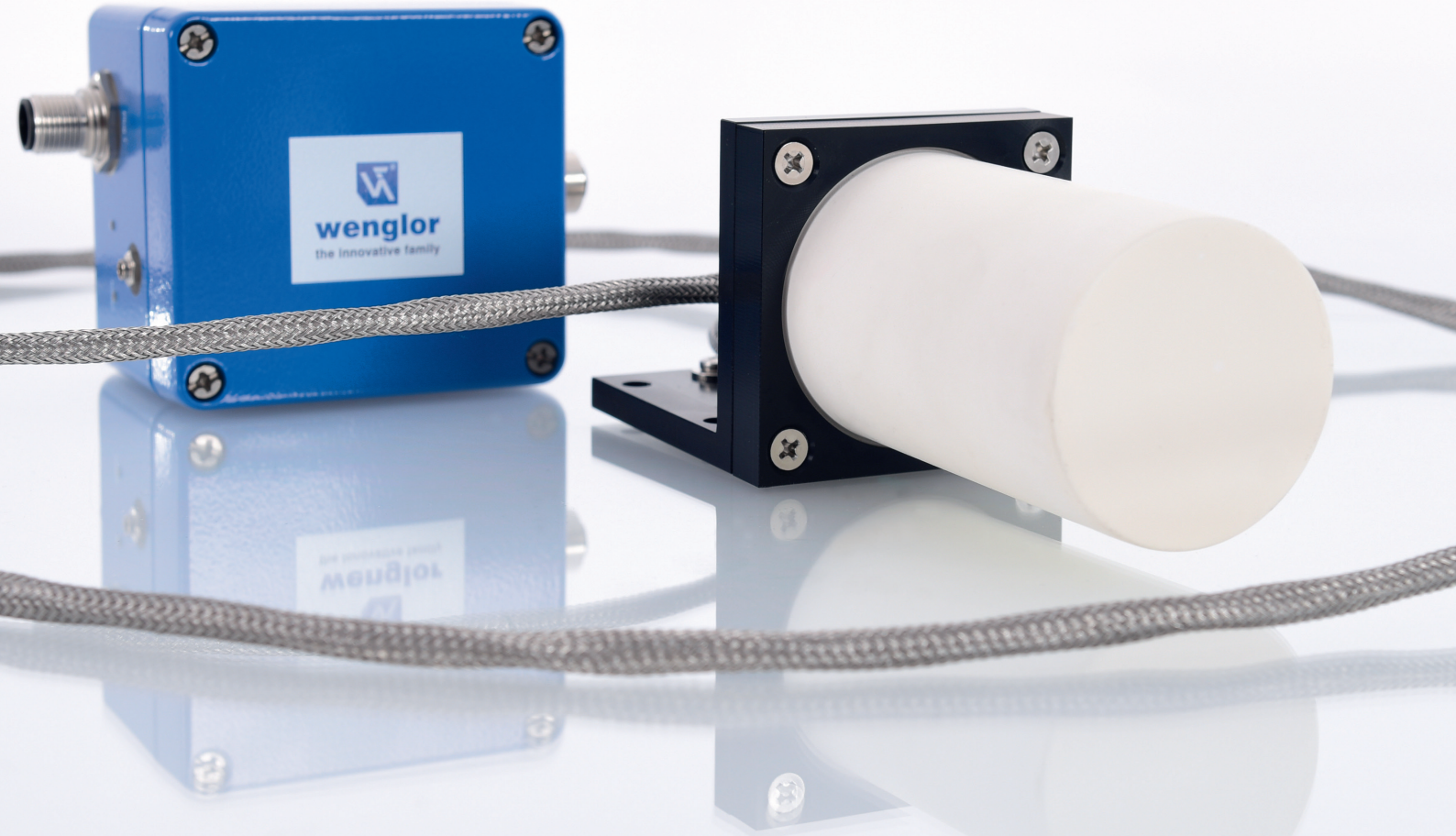
Optional configuration via IO-Link

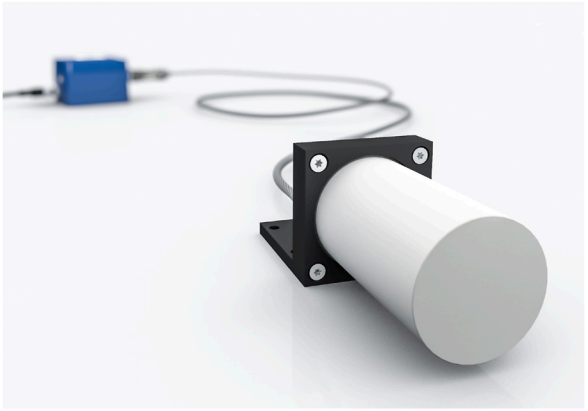
- Individual configuration of sensor parameters via the controller
- Reduced number of sensor types and inventory thanks to variably adjustable switching distances
- Plug & play with data storage function for sensor replacement without any programming effort

Series INRT Sensors

for Temperature Ranges from −60 to +450° C

Series INRT high temperature inductive sensors are global leaders in terms of heat and cold resistance.





Maximum Reliability

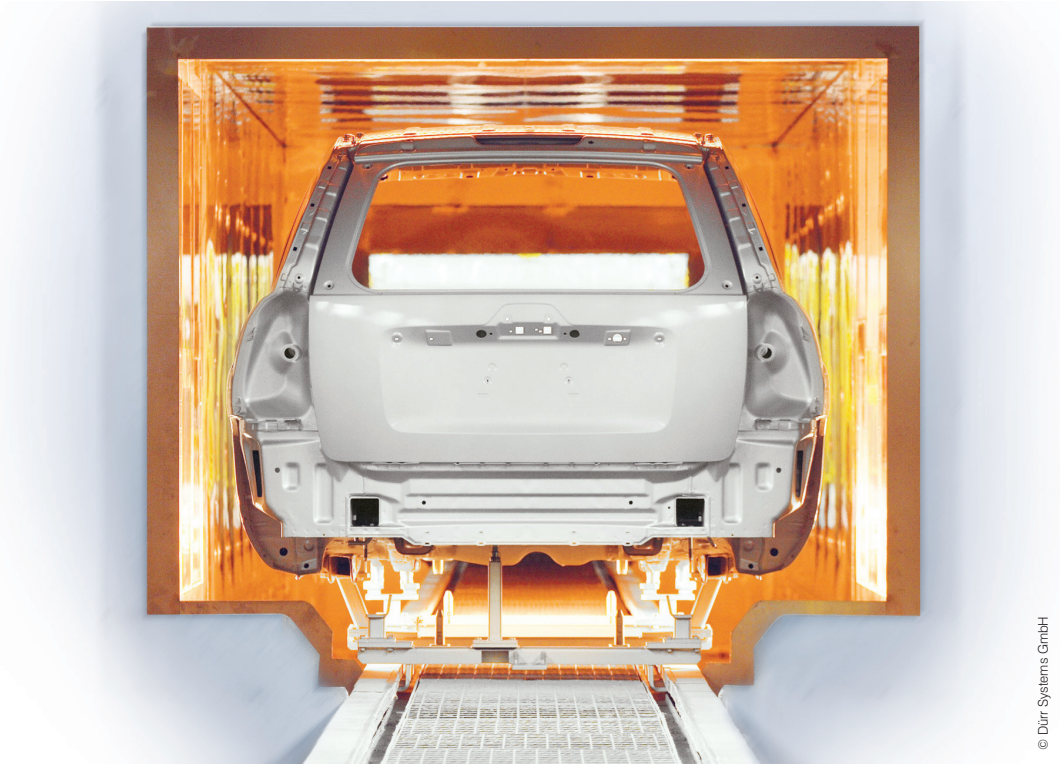
- Ceramic sensor head with an unequaled average service life of more than 7 years
- Large switching distance: 25 mm
- Easy sensor replacement thanks to interchangeable sensor head

Connection Equipment for Extreme Conditions

- High-temperature sensor cable with insulation made of fiberglass fabric and stainless steel jacket
- Flexible positioning with cable lengths of 5 to 20 m
- Highly compatible with standardized M12 plug

Rugged, easy-to-use analysis module

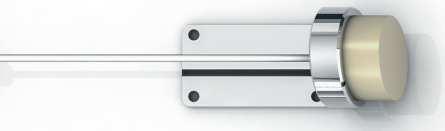
- Separate analysis module with intuitive control panel
- Plainly visible switching status indicator
- Rugged aluminum construction with IP67 protection
- For temperature ranges from 0 to +50° C

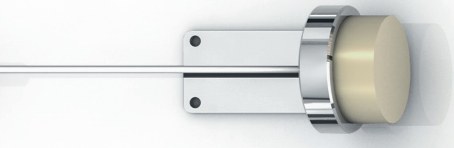


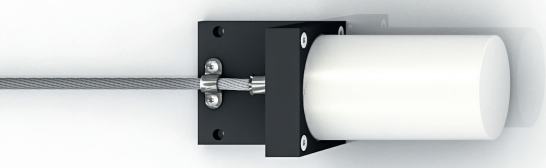
For Safe Processes in Industrial Ovens and Drying Systems

High-temperature inductive sensors detect metallic objects – contact-free. At extreme temperatures ranging from −60 to +450° C, they conduct end-position detection and check for presence and correct positioning in order to assure trouble-free, efficient material flow. Processes can thus be optimized with regard to productivity and quality. As a result of their unique resilience, they're also used in chemical systems where ordinary sensors quickly begin to corrode.

Product Overview







Type	Variable Switching Distance with IO-Link	Default Switching Distance
INTT201	15/20/25 mm	25 mm
INTT203	15/20/25 mm	25 mm
INTT207	15/20/25 mm	25 mm
INTT209	15/20/25 mm	25 mm
INTT211	15/20/25 mm	25 mm
INTT213	15/20/25 mm	25 mm
INTT301	30/35/40 mm	40 mm
INTT303	30/35/40 mm	40 mm
INTT307	30/35/40 mm	40 mm
INTT309	30/35/40 mm	40 mm
INTT311	30/35/40 mm	40 mm
INTT313	30/35/40 mm	40 mm
INRT003	—	25 mm
INRT007	—	25 mm
INRT009	—	25 mm
INRT011	—	25 mm

Temperature Range	Format	Cable Length	Connection/Interface
−10 to +250° C	111 × 48 × 49.5 mm	1 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	111 × 48 × 49.5 mm	5 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	111 × 48 × 49.5 mm	10 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	111 × 48 × 49.5 mm	15 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	111 × 48 × 49.5 mm	20 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	111 × 48 × 49.5 mm	30 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	112 × 61 × 62.5 mm	1 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	112 × 61 × 62.5 mm	5 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	112 × 61 × 62.5 mm	10 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	112 × 61 × 62.5 mm	15 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	112 × 61 × 62.5 mm	20 m	M12 × 1, 4-pin, IO-Link
−10 to +250° C	112 × 61 × 62.5 mm	30 m	M12 × 1, 4-pin, IO-Link
−60 to +450° C	152 × 60 × 60 mm	5 m	M12 × 1, 4-pin
−60 to +450° C	152 × 60 × 60 mm	10 m	M12 × 1, 4-pin
−60 to +450° C	152 × 60 × 60 mm	15 m	M12 × 1, 4-pin
−60 to +450° C	152 × 60 × 60 mm	20 m	M12 × 1, 4-pin

Access complete technical data at
www.wenglor.com/High-Temperature-Inductive-Sensors

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