

Full-metal inductive sensor

That meets robust safety requirements now!



Full-metal inductive sensor



Full metal – full safety!

If your role is to guarantee the protection of others in harsh working environments, a good self-protection is paramount to fulfilling this responsible job reliably.

With our new fail-safe inductive sensors, we have therefore gone the full way to self-protection: by using a full-metal housing. Being completely and robustly enclosed, our sensors are permanently protected against moisture, vibrations, cleaning agents, dust and dirt. It enables them to secure manholes, valve manifolds or the positions of supports and roller shutters without being disturbed by external influences. This creates the necessary safety required in the interaction between people and mobile or stationary machines.

And because safety should be more than just a statement in a product presentation, we can also provide corresponding proof with the TÜV-approval we have obtained for the sensors. You can therefore be sure that we take full-metal safety seriously.

Sounds good? For full information on the new full-metal devices for full safety please refer to ifm.com/cnt/full-metal-safety



Product benefits

Why a full-metal inductive sensor?



Made of steel

Thanks to the 316L stainless steel sleeve, the sensor is resistant and can withstand the most adverse environmental conditions.



Heat? Cold? No problem!

Thanks to its steel armour, the sensor can be used in temperature ranges from -40 to 100°C.



Squeaky clean for sure

Cleaning agents and moisture do not affect the sensor, true to the motto "Hard on the outside... safe on the inside".



Unrivalled safety

Thanks to its safety certification, the sensor offers maximum reliability in demanding environments.



Application overview

Manhole monitoring in the food industry

Task

Monitoring the lid to ensure that the tank remains closed during the process. The process must not start if the lid is open or people are in the tank.

Challenge

- Intensive cleaning processes
- Resistance to water, chemicals and high temperatures

Advantages

The combination of a full-metal housing and fail-safe feedback ensures that the sensor can cope with these demanding conditions.



Application overview

Monitoring the supports on mobile machines

Task

The sensor checks whether the supports are correctly extended to ensure a safe working area.

Challenge

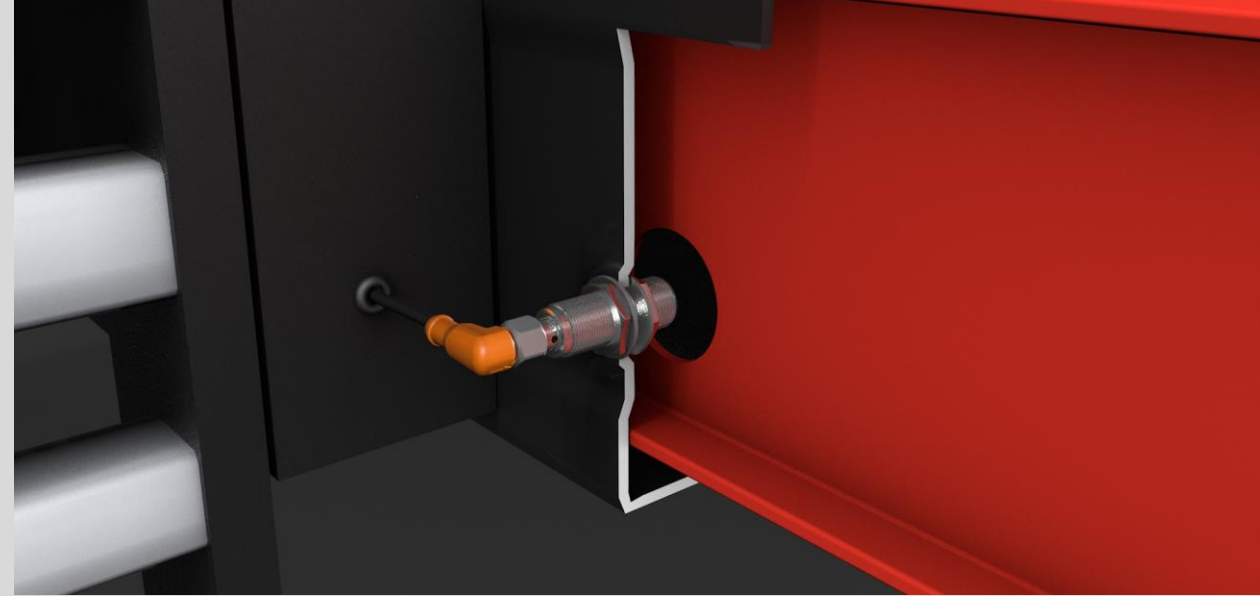
- Reliability in harsh environments
- Influences such as lubricants, oils, vibrations and temperature fluctuations

Advantages

Our new sensor is perfectly suited for this task, as its full-metal housing protects it from various environmental conditions, and it can also provide fail-safe information.



Full-metal inductive sensor
Product presentation



Application overview

Monitoring gates and doors in cold stores

Task

To ensure smooth AGV traffic, the cold store doors must always be securely closed. When the doors are open for the maintenance personnel, AGV traffic must be stopped immediately to ensure safety.

Challenge

- Extreme temperatures
- Temperature fluctuations

Advantages

Our steel sensor defies these temperature conditions with ease and ensures reliability by returning fail-safe signals.



Good to know

The inductive sensor is our superhero!



Multi-talented, it can be used anywhere!

From the automotive to the packaging industry, inductive sensors are used in all applications where metal is involved.



Insensitive to dirt, dust, ice, etc.!

Dirt, dust and ice are no problem for inductive sensors, which is why they are particularly suited for use in mobile applications.



Easy integration

Thanks to their standardised interfaces and easy installation, inductive sensors are quick and easy to set up.



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