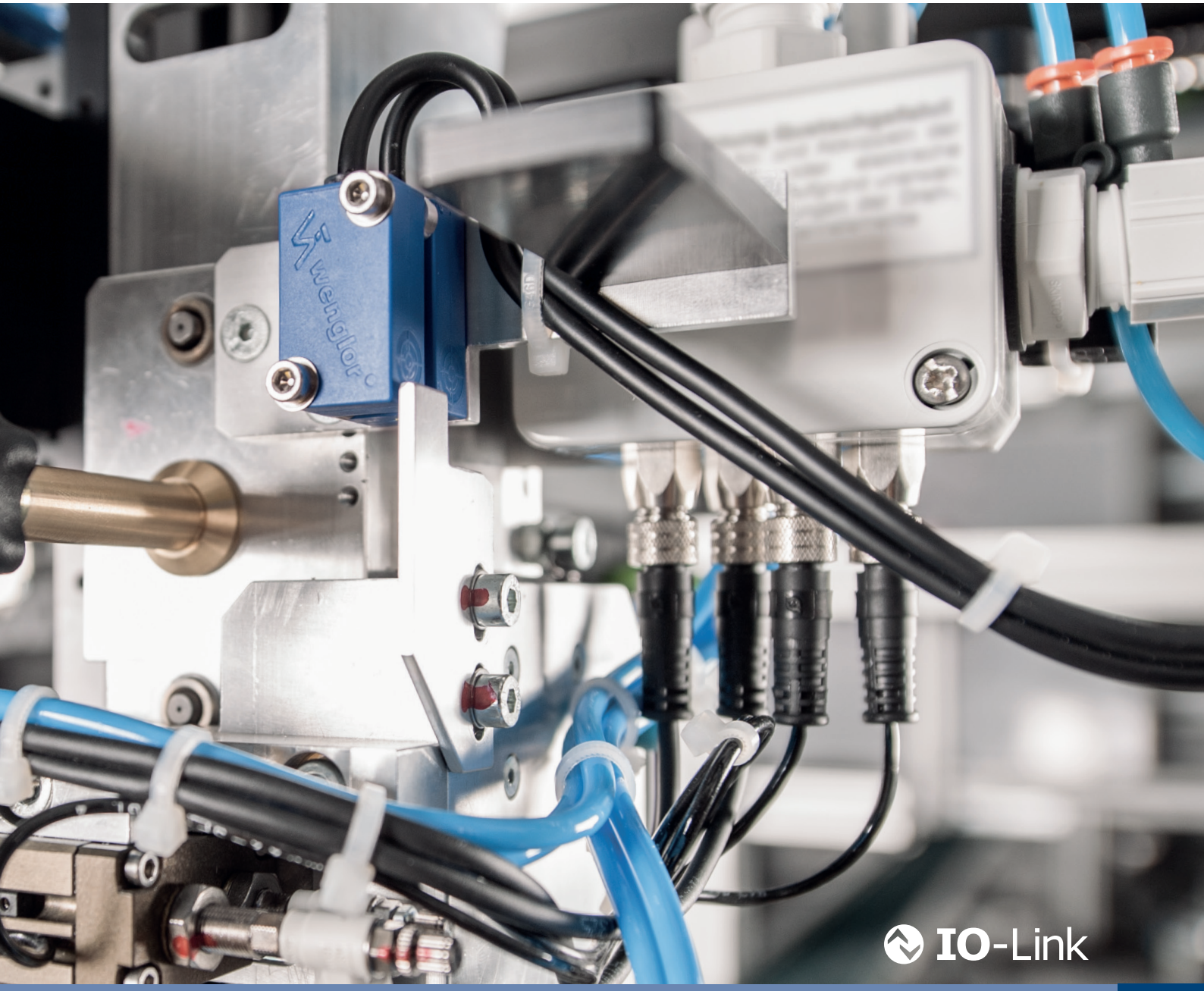
wenglor
the innovative family

Innovation with Induction

The New Generation of Inductive Sensors with **wepro**Tec



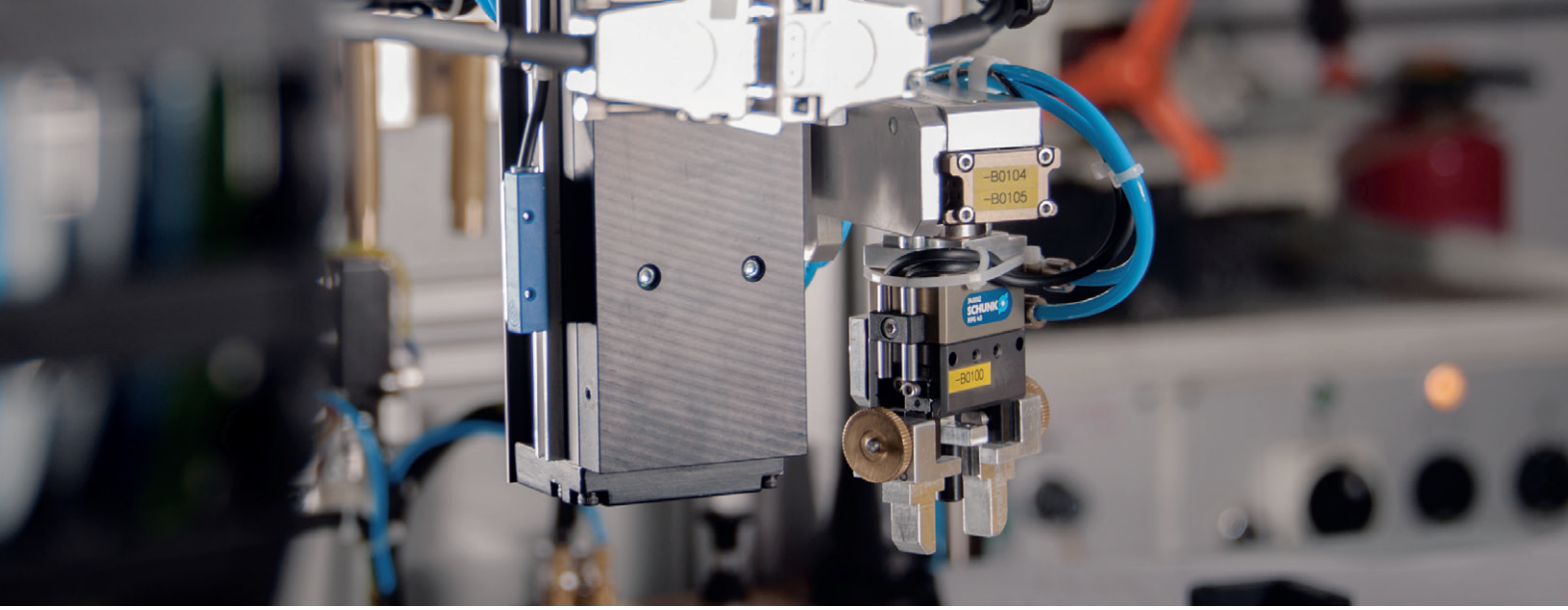
wenglor is Setting New Standards in Inductive Sensor Technology

weproTec is opening up new applications for inductive sensor solutions with previously unequalled effectiveness. This revolutionary technology prevents two sensors within a system from influencing each other reciprocally. As a result, weproTec makes it possible to mount sensors directly next to and opposite each other. Increased switching distances and the integrated IO-Link interface also enhance efficiency, reduce inventory costs and make your automation processes fit for Industry 4.0.

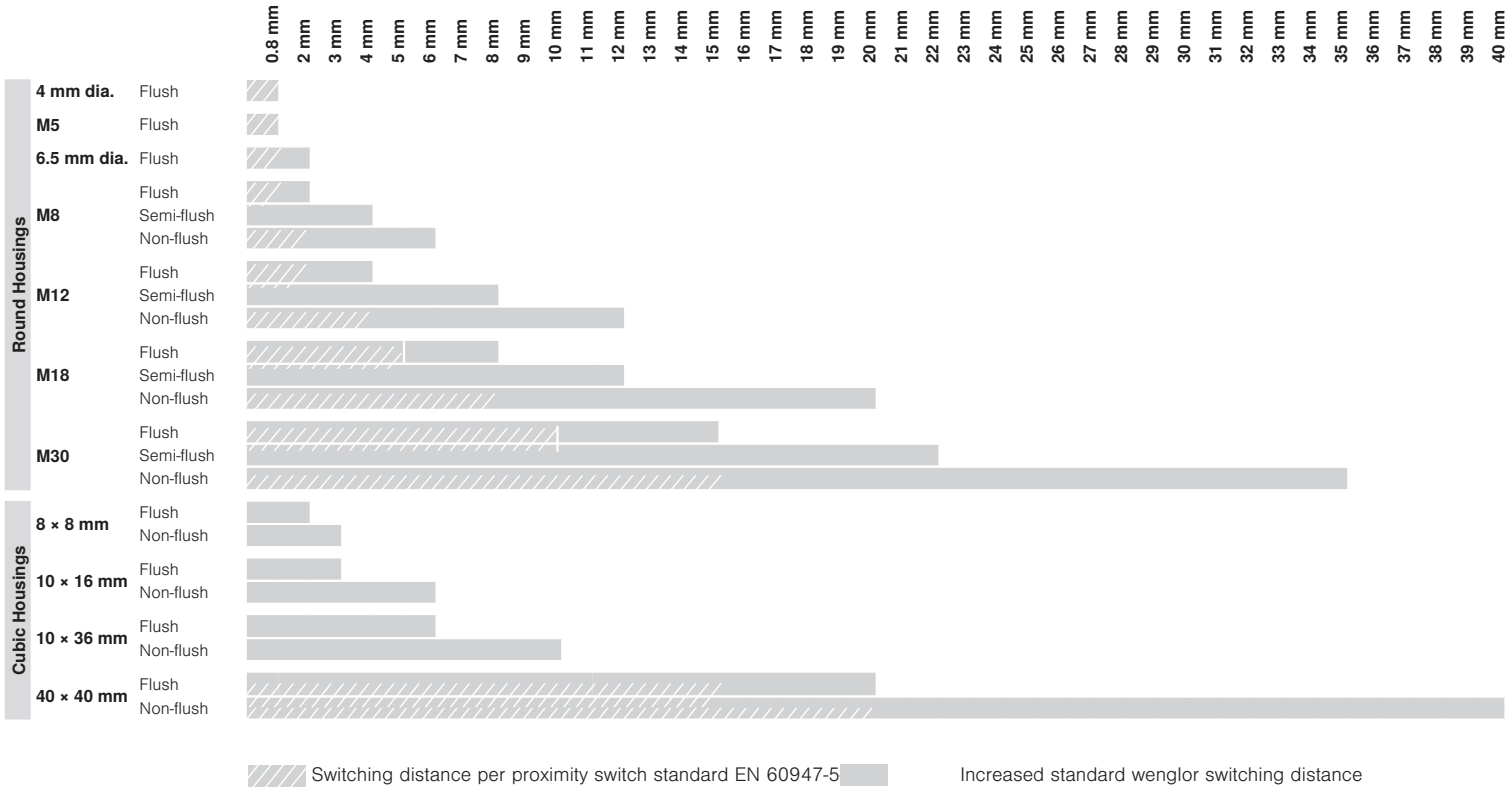
- No reciprocal influence thanks to **wepro**Tec
- **Switching distances up to three times as great** as stipulated in the standard
- **DESINA diagnostics function** for increased system availability
- Temperature range: **–40 to +80 °C**
- **150 % longer** service life
- Innovative **ASIC technology**
- Mounting consoles for **quick installation**

IO-Link®
ready for Industrie 4.0

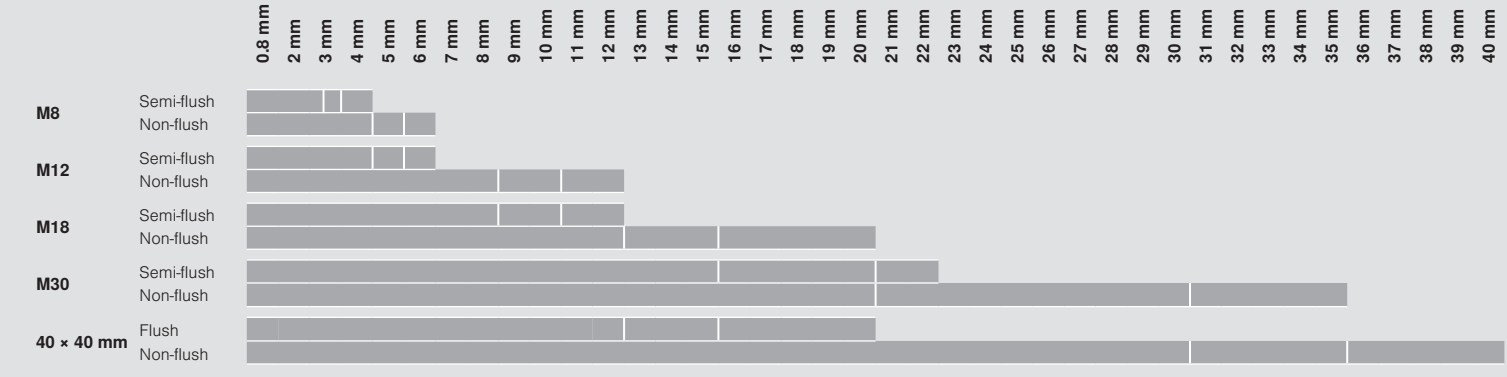
- Sensor parameters can be **set** directly **via the IO-Link master**
- **Consistent diagnostics information** for preventive maintenance
- Three **flexibly adjustable switching distances** for reducing the number of sensor types and inventory costs
- **Flexibly configurable parameters** (PNP/NPN, NC/NO/antivalent)
- **Adjustable switching frequency**



Standard



IO-Link



Three flexibly adjustable switching distance steps

One for All – the Same Switching Distance for All Metals

Welding Field Resistant with Correction Factor 1
Reliable for presence checking and position monitoring in welding equipment thanks to a rugged housing with Teflon coating and magnetic field resistance of greater than 200 millitesla

- Very large switching distances of up to 50 mm
- Very high switching frequencies of 1500 to 4200 Hz
- Extended temperature range: –40 to +80 °C

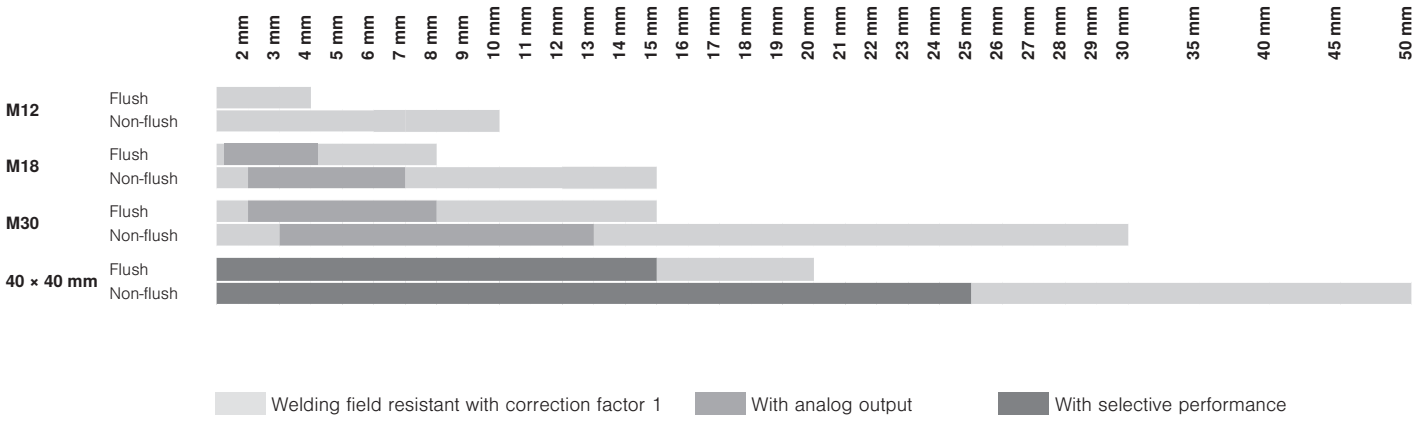
Precision Measurement with Analog Output
Accurate distance and thickness measurements with read-out of a 0 to 10 V signal which is proportional to the measured distance

- Correction factor 1
- Highly linear output voltage with less than 1 % deviation
- Very high resolution accurate down to 1 µm

Reliable Differentiation Amongst Metals
Selective function – ideal for use in recycling facilities and for differentiating amongst workpieces made of ferromagnetic metals such as iron or steel and non-ferromagnetic metals like brass, copper or aluminum

- Differentiation between ferromagnetic metals and non-ferromagnetic metals
- Large switching distances of up to 25 mm
- Temperature range: –25 to +80 °C

The Same Switching Distance for All Metals



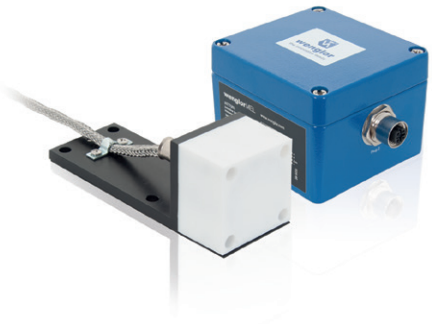
Reliable under Extreme Conditions

InoxSens

Full-Metal Housing for Hygiene Zones

Full-metal housing made of top quality stainless steel (1.4404/316L), extremely well suited for presence checking and position monitoring, as well as for tracking materials in the pharmaceuticals and food industries

- Maximized protection: IP68/IP69k
- Rugged and pressure-resistant
- Sensors with additional ATEX approval for 3G and 3D areas

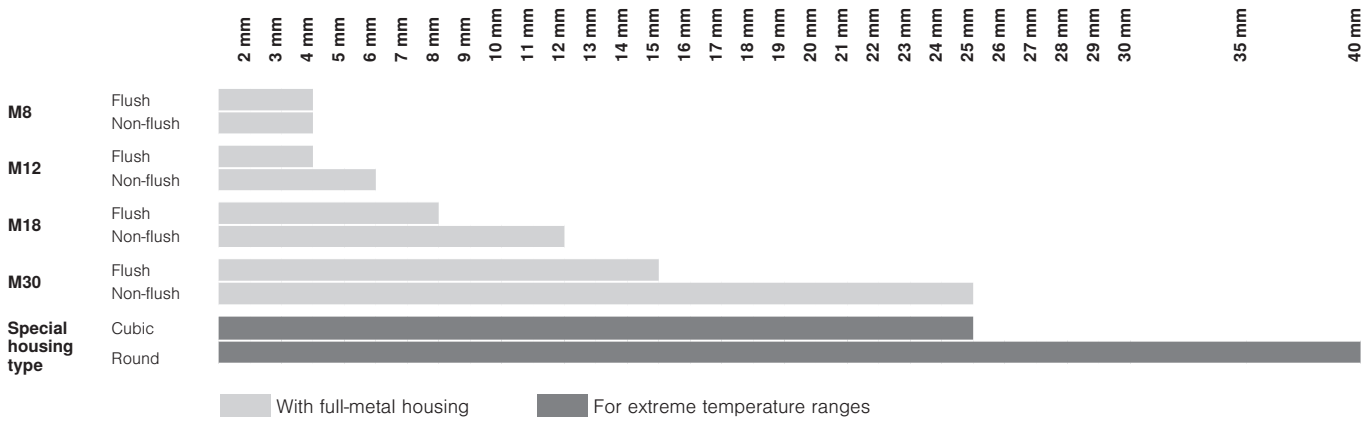


Usable in Temperatures Ranging from –60 to +450 °C

Monitoring of processes in deep freezing facilities, ovens, foundries and painting processes with a long service life of seven to ten years

- Extended switching distances of 25 to 40 mm
- Patented maintenance output
- Interchangeable sensor heads

Inductive Sensors for Extreme Conditions



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