



Temperature sensors with IO-Link

Universal // Smart // Easy

Our IO-Link communication experts

Temperature sensor type IOM

Our temperature sensor type IOM is ideal for measuring cooling water, lubricating oil and hydraulic oil temperatures in machines and systems. It covers a temperature range of -50 - 200°C.

The compact design allows the use in a variety of applications and is thus our universal temperature sensor with IO-Link interface.



Temperature sensor type IO3

The temperature sensor type IO3 is a real all-rounder! The additionally integrated analogue and switching output enables integration into existing and IO-Link capable system controls. This helps you to reduce the variety. It covers a temperature range of -50 - 120°C

The miniature design allows use even under very tight space conditions.



Temperature sensor type IOB

Our temperature sensor type IOB with standard head shape B and protection tube is ideal for retrofit measures in your system. The temperature sensor can be used at a medium temperature of -50 - 200°C.



Temperature transmitter type IO0

Supported by our expertise in sensor development and system integration, the compact OEM IO-Link module makes your product IO-Link capable. The purely digital data transmission rules out conversion errors: The transducer operates precisely and with protection against interference.

The wide measuring range of -200 - 800°C is suitable for a variety of applications.

And this is just the beginning!

Other products with IO-Link

In addition to our temperature sensors, our proven Vortex flow sensors are also available with IO-Link from summer 2022.

These variants are in preparation:

- Plastic version, nominal diameters: DN15, DN20 and DN25
- Brass version, nominal diameters: DN32 and DN40
- Stainless steel, nominal diameters: DN32 and DN40



Available
from summer
2022

IO-Link: Industry 4.0 pioneer

IO-Link is the innovative communication solution for the field level. The digital interface to the sensor via a standardised M12 connector and unshielded connection cable allows easy integration into your application. IO-Link complies with the international standard IEC 61131-9, is “plug & play” ready and is compatible with almost every fieldbus.

In the spirit of Industry 4.0, data from all levels of machines and systems will become available! Use the potential for completely new and better machine functions. Better and more economical systems, machines and production technologies will start with IO-Link in the future.

5 advantages of IO-Link



Reduce your costs.

Parameterizable sensors and actuators reduce the variety of required device types. This reduces the complexity of procurement and creates space in the warehouse.



Realize innovative machine concepts.

Only the continuous communication to each sensor and actuator unlocks all functions of intelligent devices. This expands the possibilities for the development of more innovative machines and systems.



Shorten commissioning times.

IO-Link communication runs over unshielded cables and uses industry standard connectors. This saves time and reduces annoyance when replacing devices.



Increase the productivity of your machines.

IO-Link devices automatically identify and parameter each other. This simplifies the replacement of defective components and reduces downtimes of machines and plants due to repairs.



Revolutionize your maintenance.

Intelligent IO-Link devices have self-diagnosis capabilities. This enables new, predictive repair and maintenance concepts.



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