Digital meets analogue: integrating modern IO-Link sensors the analogue way

IO-Link converter

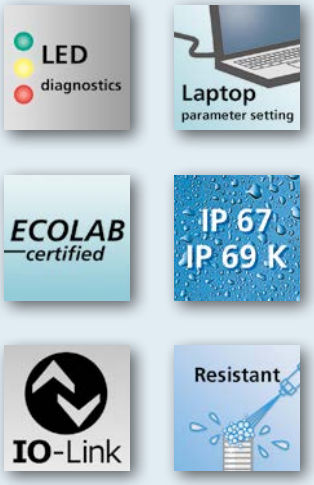
Converts IO-Link process values into two analogue signals 4...20 mA

Ideal for IO-Link sensors with multiple process values

Plug and play: no parameter setting required

Resistant to cleaning agents, ideal for use in hygienic areas

Easy installation directly on the sensor or in the connection line



Operating principle

IO-Link sensors often provide several measured values at the same time, e.g. conductivity sensors with integrated temperature measurement. To allow these sensors to be connected to existing control systems, this converter converts two digital measured values into two analogue signals (4...20 mA). Thus, the hardware of the system is already prepared for future digitisation. The converter can be used directly without parameterisation. However if required, it can also be parameterised via IO-Link, e.g. for scaling analogue values.

Hygienic

Special housing materials as well as the high protection class IP 67 / IP 69K allow, for example, the use in the food industry even with high-pressure cleaning and aggressive cleaning agents.

Type	Number of analogue outputs	Precision of analogue output	Protection rating	Order no.
	2	± 0.25 %	IP 67 / IP 69K	**EIO104**

Operating principle:
1 x IO-Link converts to 2 x analogue output

With this compact converter, modern IO-Link sensors that provide more than just one process value can be connected to existing control systems equipped with analogue inputs only.

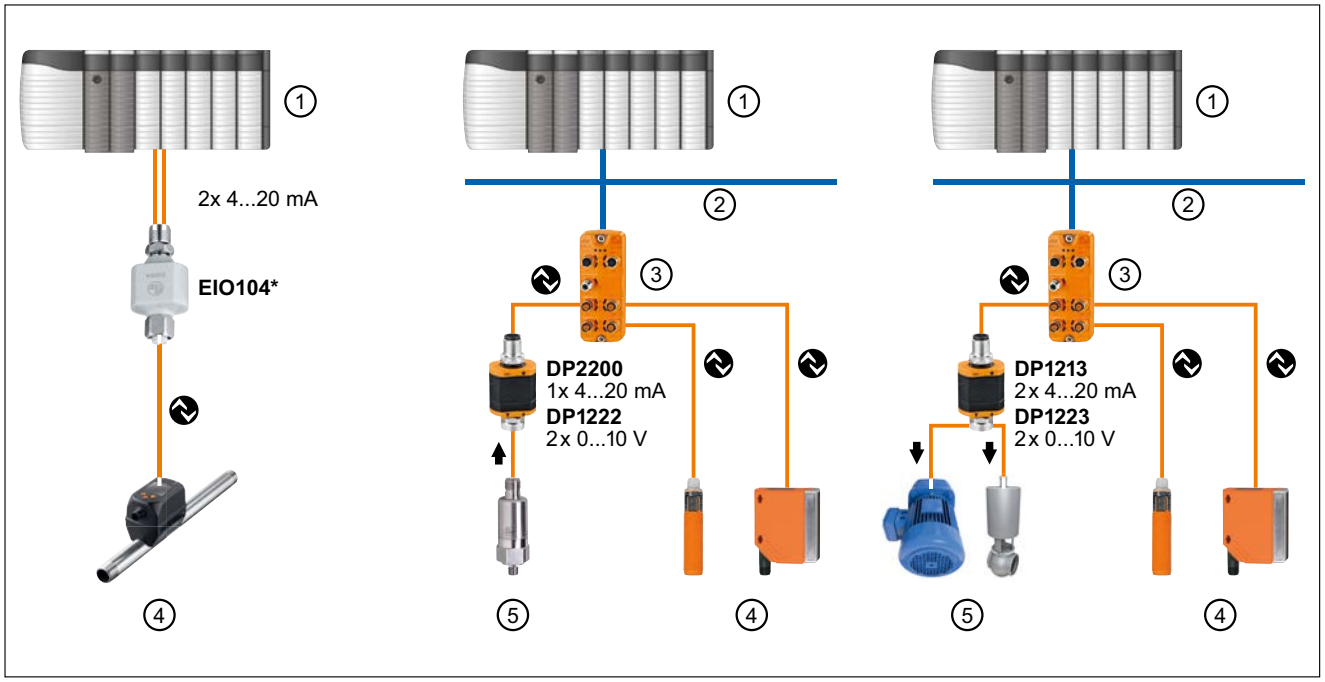
Multiple measured values via IO-Link

The following is a small selection of ifm sensors that output more than just a process value via IO-Link.

A complete list of all specified sensors can be found at ifm.com.

This converter only works in combination with appropriately specified ifm sensors

Sensor type	Process values via IO-Link
Level sensor LT	level, temperature
Flow rate meter SD	flow rate, temperature, pressure
Pressure sensor PM15	pressure, temperature
Temperature sensor TCC	2 x temperature
Conductivity sensor LDL	conductivity, temperature
Laser sensor OGD	distance value, reflectivity



* This converter only works in combination with appropriately specified ifm sensors

1) PLC
2) Fieldbus
3) IO-Link Master IP 67
4) Sensor with IO-Link
5) Sensor without IO-Link