



IO-Link

Effective digital retrofit with the new IO-Link data splitter



IO-Link accessories



Plug & play allows subsequent integration without changing the installation

Quick provision of sensor data to higher-level IoT/cloud systems

Perfect support for service and maintenance personnel

Easy decoupling of relevant IO-Link data for efficient diagnosis or process monitoring



Current status in the field

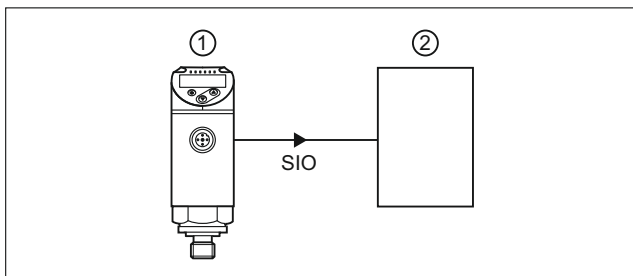
In older installations, analogue or digital output signals from sensors are mostly sent directly to standard input cards of controllers and processed further there. Also, today's sensors are normally equipped with IO-Link. This means they also transmit relevant data that would be lost with conventional use.

Use the advantages of the future today

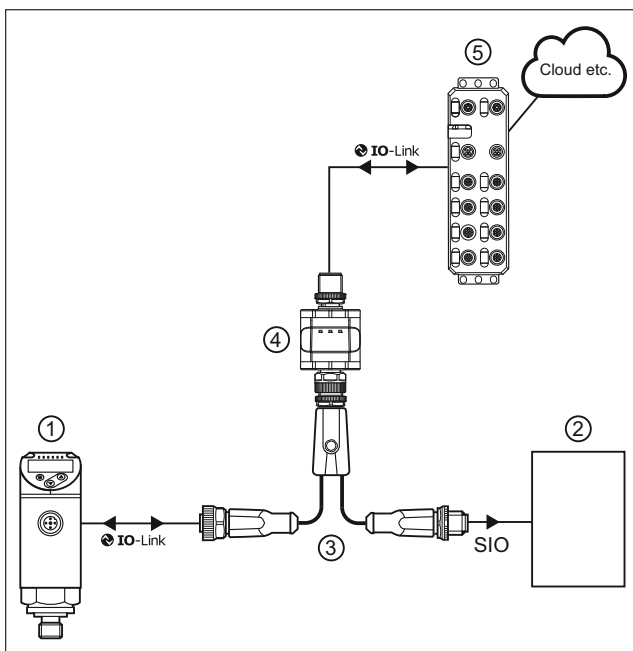
With the IO-Link data splitter it is now possible to enable plant-independent monitoring in a conventional system previously operated in the SIO mode. The controller-related output signals are still sent in the SIO mode to the inputs of the controller. In addition, the process value and other sensor data are measured and transmitted via IO-Link to higher-level systems (Smart Observer, cloud). Parameter setting of the sensor is possible e.g. with the LR device software and an appropriate IO-Link master.



Conventional sensor system before the integration of the IO-Link data splitter



Example of a system integration








- 1) Sensor / IO-Link device
- 2) PLC / installation
- 3) Y splitter
- 4) IO-Link data splitter
- 5) IO-Link master


Technical data

IO-Link data splitter	Order no. E43406	Order no. E43410
	PNP	NPN
Operating voltage [V DC]	18...30	
Reverse polarity protection on the master	•	
Short-circuit protection	•	
Current consumption [mA]	< 30	
IO-Link device		
Transmission type	COM1, COM2, COM3	
IO-Link revision	compatible with 1.0 and 1.1	
SDCI standard	IEC 61131-9	
SIO mode	-	
Requires master port class	A/B	
Ambient temperature [°C]	-25...60	
Protection	IP 67	
Materials	high-grade stainless steel (316L/1.4404), CW614N, PA, PBT, FKM; seal FKM	

Accessories

Type	Description	Order no.
	Mounting clip	E89208
	IO-Link master StandardLine, Profinet, 4 ports	AL1100
	IO-Link master StandardLine, Profinet, 8 ports	AL1102
	IO-Link master StandardLine, EtherNet/IP, 4 ports	AL1120
	IO-Link master StandardLine, EtherNet/IP, 8 ports	AL1122

Connection technology

Type	Description	Order no.
	Y-splitter, M12 2 m, black, PUR cable	EVC843