

IO-Link accelerates digitalization of process plants

Endress+Hauser boasts a comprehensive IO-Link portfolio

IO-Link is enjoying increasing popularity, with demand for the communications standard growing rapidly, especially in the food & beverage industry. The fieldbus-independent technology for point-to-point communication is easy to use and provides a cost-effective way to digitalize industrial plants. Endress+Hauser, a leading provider in the industry, offers a wide range of IO-Link products for a large selection of process parameters.

IO-Link is regarded as an established standard for measurement devices with basic functionality, offering advantages such as data transparency and additional control through digital technology. Integrating IO-Link-capable sensors and actuators is especially popular with suppliers of machines or skids for the food & beverage industry. Particularly for utilities, devices with basic functionality are well suited; instruments with a rich set of different functionalities would unnecessarily increase complexity and costs.

Broad offering for the food & beverage industry

Endress+Hauser is a leading global supplier of process instrumentation for the food & beverage industry. “No other manufacturer offers such a broad and deep range of products and services. Our comprehensive IO-Link portfolio clearly illustrates this position. As a strong partner for process automation, we support our customers with IO-Link sensors in numerous fields of application,” says Rob Sips, Strategic Account Manager for the Group’s international business.

Analog signals and digital communication

The majority of the IO-Link sensors can be optionally operated in analog mode (4–20mA) with simple configuration changes to the instrument, thus allowing production workflows to remain in place. If extra information such as diagnostic and service data is required, in addition to the actual process parameters, an installed IO-Link-capable instrument can be simply switched to a digital signal.

A simple avenue towards Industry 4.0

“Although IO-Link is not the most powerful communications standard for process engineering, the technology is cost-effective and harbors tremendous potential for the digitalization of process plants,” says Oliver Hansert from Endress+Hauser Digital Solutions. Endress+Hauser instruments with IO-Link interfaces support the acyclic transmission of helpful metadata to ensure stable and efficient production. Furthermore, the smart sensor profile is designed for simple engineering, which reduces the effort required by plant operators to integrate sensors into their systems.

New additions to the IO-Link portfolio

Endress+Hauser offers a comprehensive product portfolio of IO-Link-capable instruments for all relevant process parameters. The company recently introduced the Smartec CLD18 compact

Press release
9 December 2021

conductivity sensor, IO-Link versions of the PMP51, PMP55 and PMC51 pressure transmitters, and the Deltapilot FMB50 level transmitter. With these new additions to the IO-Link portfolio, customers can exploit the benefits of digitalization in a cost-efficient manner.

Further information about IO-Link is available at: <https://eh.digital/3o918U8>



EH_IO-Link_1.jpg

More and more plants in the food & beverage industry are being digitalized with fieldbus-independent IO-Link technology.



EH_IO-Link_2.jpg

Endress+Hauser offers a wide range of process instrumentation with IO-Link technology for digital communication.



EH_Oliver_Hansert.jpg

“IO-Link technology holds great potential for the digitalization of process plants,” says Oliver Hansert of Endress+Hauser.

The Endress+Hauser Group

Endress+Hauser is a global leader in measurement and automation technology for process and laboratory applications. The family company, headquartered in Reinach, Switzerland, achieved net sales of approximately 2.6 billion euros in 2020 with a total workforce of more than 14,000.

Endress+Hauser devices, solutions and services are at home in many industries. Customers thus use them to gain valuable knowledge from their applications. This enables them to improve their products, work economically and at the same time protect people and the environment.

Endress+Hauser is a reliable partner worldwide. Its own sales companies in 50 countries as well as representatives in another 70 countries ensure competent support. Production facilities on four continents manufacture quickly and flexibly to the highest quality standards.

Endress+Hauser was founded in 1953 by Georg H Endress and Ludwig Hauser. Ever since, the company has been pushing ahead with the development and use of innovative technologies, now helping to shape the industry's digital transformation. 8,900 patents and applications protect the Group's intellectual property.

For further information, please visit www.endress.com/media-center or www.endress.com

Contact

Martin Raab
Group Media Spokesperson
Endress+Hauser AG
Kägenstrasse 2
4153 Reinach BL
Switzerland

Email martin.raab@endress.com
Phone +41 61 715 7722
Fax +41 61 715 2888