

Future-oriented measurement technology plays a pivotal role in digitalization

Endress+Hauser offers its customers the real benefits of Industry 4.0

The new Proline 300/500 range of measuring devices is an excellent example of digitalization in the process manufacturing industry. With Wi-Fi, a web server and additional device and process diagnostic parameters, Endress+Hauser is equipping its customers' measuring points for the future and guaranteeing high process and product reliability. Digitalization and data networking enable more efficient production and optimize operational processes, for example maintenance.

The smart sensor characteristics specified in the NAMUR roadmap show which criteria a measuring device needs to fulfill in order to be "ready for Industry 4.0". The new Proline 300 meets these criteria in every respect: In addition to the digital connection via conventional field buses such as PROFIBUS DP/PA, FOUNDATION Fieldbus, Modbus or HART/WirelessHART, it also enables ethernet-based communication via PROFINET, EtherNet/IP and Wi-Fi.

Heartbeat Technology

The continually working device testing system integrated into the measuring devices enables flowmeters to be checked directly in the pipeline. All the tests carried out with Heartbeat diagnostics, verification or monitoring are referenced to the fixed factory status saved in the device and saved automatically. Up to eight tests can be saved consecutively on the device. Diagnostics data is processed in the device using Heartbeat Technology and can be transferred to a mass storage solution, such as the company cloud, for data mining and analysis.

The processing of the HBSI parameter is a particularly noteworthy feature of the monitoring function: For the first time, it is now possible to make precise statements about the device's "worklist" in applications that are corrosive, abrasive or form material deposits. This enables true predictive maintenance: In connection with further information from the operational environment, the value makes it possible to optimally plan the maintenance at the ideal point in time.

Real-time data availability anywhere in the world

In this context, cloud solutions offer the ideal basis for comparing and matching the collected figures in real time. Process information, such as spare part availability and maintenance personnel, as well as any planned system downtimes, converges in the cloud owned either by the company or provided by Endress+Hauser. At the same time, information about the device is provided online via the free Endress+Hauser Operations app or from the W@M web-based Endress+Hauser asset management system. Finally, the person in charge of maintenance receives a notification about an upcoming maintenance appointment directly on their smartphone.

Image 1 (Proline 300-500.jpg)



Proline 300/500: Flow measurement technology fit for the digital future.

The Endress+Hauser Group

Endress+Hauser is a leading international supplier of measuring devices, services and solutions for industrial process engineering. The Group employs 13,000 people worldwide. In 2016, it generated turnover of more than EUR 2.1 billion.

Structure

Professional support is guaranteed worldwide through its own Sales Centers and a network of partners. With Product Centers in 11 countries, Endress+Hauser is fast and flexible in meeting the needs of its customers. A holding company in Reinach/Switzerland coordinates the Group. A successful family-run business, Endress+Hauser is an independent and unaffiliated company, and intends to remain so in the future.

Products

Endress+Hauser supplies sensors, devices, systems and services for measuring fill level, flow, pressure and temperature, as well as performing analyses and recording readings. The company supports its customers with services and solutions in automation engineering, logistics and information technology. Its products set standards in terms of quality and technology.

Industries

Its customers come primarily from the chemical/petrochemical, food, oil and gas, water/wastewater, power and energy, life science, primaries and metal, renewable energies, pulp and paper and shipbuilding industries. With support from Endress+Hauser, they are able to implement reliable, safe, efficient and environmentally friendly processes.

History

Endress+Hauser was founded in 1953 by Georg H. Endress and Ludwig Hauser. The Group has been solely owned by the Endress family since 1975. The company has evolved consistently, from a level measurement specialist to a complete solutions provider for industrial measurement technology and automation with constant expansion into new territories and markets.

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@holding.endress.com
Phone +41 61 715 7722
Fax +41 61 715 2888