

## Poised for Industry 4.0: measurement instrument innovations

At the 2021 ILMAC in Basel, Endress+Hauser and Analytik Jena will be jointly presenting innovative measurement instruments and solutions for process and laboratory technology

Digitalization is gaining momentum in the life sciences and chemical industries. That gives Endress+Hauser one more reason to focus on Industry 4.0-capable solutions at this year's ILMAC, Switzerland's leading trade fair for laboratory and process technology that will be held on 19–21 October in Basel. The global leader in measurement instrumentation, services and solutions for industrial process engineering will showcase its latest technologies for process and laboratory systems at the ILMAC, together with its subsidiary Analytik Jena.

### **Smart sensors supply raw materials for digitalization**

At the ILMAC, Endress+Hauser will be demonstrating smart measurement instruments and sensors for taking the next step in the direction of Process Industry 4.0 (Hall 1, Exhibit Booth A150). "Apart from highly precise measurement values, our smart sensors and field instruments also supply other relevant data. This information serves as the raw material for Industry 4.0, which our customers can utilize to optimize their processes, increase efficiency and as a result save considerable time and costs," says Alex Gasser, Managing Director at Endress+Hauser Switzerland.

### **Memosens 2.0: the latest Memosens technology for liquid analysis**

Simple, safe and connected. This is what the latest generation of Memosens technology for liquid analysis is all about. Memosens technology digitizes the measurement value in the sensor and sends it to the transmitter inductively. This safe method of data transfer increases the availability of the measuring point and ensures uninterrupted processes. With Memosens 2.0, liquid analysis measuring points are IIoT-ready.

### **Poised for the future with new pressure transmitters**

With the optional Bluetooth® interface, the recently launched Cerabar and Deltabar pressure measurement instruments are easy for anyone to operate and can be more efficiently serviced in protective devices. Thanks to Heartbeat technology, verification of the measuring point is completed in less than three minutes – without interrupting the process. What's more, these instruments feature fast commissioning, intuitive operation with the SmartBlue app and practical document management via QR code.

### **Innovations expand the Liquiphant product family**

Endress+Hauser will be showcasing two innovations from the Liquiphant product family. The new Liquiphant FTL62 level switch can be adapted for use in aggressive media with the proven ECTFE, PFA or enamel coatings. The instrument is thus chemical- and corrosion-resistant and extremely abrasion-proof, plus it boasts optimal non-stick properties. With its special high-temperature design, the

Liquiphant FTL64 level switch is suitable for use in an expanded temperature range between –60°C and 280°C. A second process seal ensures a high degree of safety.

**Drawing samples: a thing of the past**

For visitors to ILMAC from the food and beverage industry, Endress+Hauser will present the Teqwave H, a reliable smart sensor with a hygienic design for permanent process control. This instrument is suitable for applications such as measuring the sugar content in fruit juices and spirits or determining the concentration of cleaning agents. The Teqwave H analyzes liquids in real-time directly in the process, even during batch changes, thus eliminating the need to draw samples.

**Comprehensive solutions for laboratory analysis**

Analytik Jena offers solutions for chemical and molecular laboratory analysis, as well as liquid handling and automation technologies. The instruments are used for water quality analysis and environment monitoring in the health sector or for quality control. At the ILMAC, the Endress+Hauser subsidiary will be showcasing products in the area of real-time PCR analysis, elementary and TOC analysis and in liquid handling.

**Visit Endress+Hauser at the ILMAC**

Those interested in learning about Endress+Hauser technologies are cordially invited to visit our exhibit booth at the ILMAC in Basel, 19 to 21 October 2021. Employees from Endress+Hauser and Analytik Jena look forward to welcoming interested visitors to the booth, where we can enjoy face-to-face discussions again after such a long period.

The People for Process Automation look forward to having interesting discussions in Hall 1, Booth A150.



**EH\_Memosens.jpg**

Sensors with Memosens technology permit calibration and adjustment in the lab, far removed from the measuring point.



**Cerabar\_PMC71B.jpg**

**Cerabar PMC71B with background lighting**



**Deltabar\_PMD75B.jpg**

**Deltabar PMD75B with background lighting**

The new absolute, relative and differential pressure transmitters – Cerabar and Deltabar – create a bridge to Industry 4.0.



**Liquiphant FTL62.jpg**  
The Liquiphant family.



**Liquiphant FTL64.jpg**



**Liquiphant FTL51B.jpg**

### **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](http://www.endress.com/media-center) or [www.endress.com](http://www.endress.com)

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