More than sensors + automation

NEWS

Efficient solutions for hygienic applications

JUMO as a system provider with a broad portfolio at the "Lounges" trade fair in Karlsruhe

At the "Lounges" trade fair in Karlsruhe, Germany, JUMO will be exhibiting (April 18 to 20, 2023 / Hall C, Booth C 1.2), JUMO will present a wide range of products and solutions. This enables users to master complex hygienic applications efficiently and economically.

These include hygienic process connections, EHEDG-certified solutions, intuitively operable automation systems, and seamless, secure, and location-independent data evaluation and visualization. "In addition, JUMO Engineering can tailor our systems precisely to the customer's specific needs," emphasizes Matthias Kremer, Head of Global Industry Management.

Sensors, automation, and evaluation from a single source

In order to create optimal growth conditions for microorganisms during fermentation, for example, a complex interplay of measurement and automation technology as well as continuous process evaluation is required. After all, oxygen, gases and nutrients must be continuously supplied in specific concentrations under sterile conditions. "The processes are automatically controlled and evaluated. The customer receives maximum stability and reproducibility; and this is fully automated," says Marvin Karboviak, Sales Manager North Baden-Württemberg.

Long-term stable oxygen measurement

With the new JUMO digiLine O-DO H10/H20, a digital optical sensor for dissolved oxygen, JUMO is becoming an all-round supplier in the field of liquid analysis. After all, the sensor can measure both oxygen traces and saturations precisely and with long-term stability for demanding hygienic applications. In the H10 version, together with the JUMO AQUIS touch S/P multichannel meter, it ensures stable dissolved oxygen concentration in bioreactors.

JUMO flowTRANS MAG H20 measures with high precision

The JUMO flowTRANS MAG H20 measures conductive media with high precision, even dropwise. It can be used flexibly in a

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wide variety of processes. In addition to flow measurement, temperature is measured. A modern HMI allows configuration via Bluetooth and the JUMO smartCONNECT app. The SPE (Single Pair Ethernet) interface with PoDL (Modbus TCP, JUMO Cloud Connector) enables a simplified JUMO Cloud connection and consistent IP communication from the field to the automation level.

Flow rate is one of the standard measured variables in a wide range of industries. Depending on the measurement medium used, the required accuracy, and the process conditions, a variety of methods can be used. JUMO already offers products for flow measurement that work using differential pressure, the calorimetric measurement method, or the electromagnetic measurement principle. The new device uses the electromagnetic measuring principle and impresses with its high accuracy.

Photo: JUMO

Image caption: The JUMO flowTRANS MAG H20 measures conductive media with high precision, even dropwise.

The JUMO corporate group, headquartered in Fulda, employs more than 2,500 people worldwide and is one of the leading manufacturers in the field of industrial sensor and automation technology. JUMO products are used around the globe in industries such as heating and air conditioning, food and beverage, renewable energies, and water and wastewater. The corporate group encompasses 5 branch offices in Germany, 25 subsidiaries in Germany and abroad, and more than 50 agencies around the world. The company posted a turnover of 307 million euro in 2022.