



Sensors enable safe processes for perfect food

The range of available foods is now greater than ever. Reliable quality and impeccable hygiene have long since become a basic requirement for consumers. With VEGA instrumentation, producers can ensure both and simplify their processes at the same time.

Hygienic down to the smallest detail

Food production is considered to be a very delicate business and the processes it involves are correspondingly costly and complex. The special demands placed on production are also reflected in the challenges faced by the measurement technology used. VEGA sensors for level and pressure are therefore certified according to the current standards for the food and pharmaceutical industries and comply with

FDA
ISPE GAMP
ASME-BPE
EHEDG
3-A Sanitary

They are made exclusively of corrosion-free materials and can be cleaned efficiently, ensuring that microorganisms are dependably removed. "Hygienic by design" can also be seen in the sensor surfaces that come into contact with the product: They have special roughness values of less than 0.8 µm and are even available electropolished. Seals were dispensed with wherever possible. VEGA measuring instruments are also designed for the critical aspects of CIP processes.

One connection – many possibilities

VEGA sensors can be quickly integrated into existing production facilities. The standardised fittings make this possible. The available hygienic adapters provide even more flexibility for the user and simplify processes at the same time. They are also diffusion-tight and extremely robust. The adapter system provides the right solution for every mounting situation.



A representative overview:



There's a suitable sensor from VEGA for every application.

Sensors for measuring level

VEGAPULS 42

- Suitable for fast level changes
- Simple integration of process data thanks to IO-Link
- Maintenance-free operation with 80-GHz radar technology
- An illuminated ring ensures good readability, even from a distance

VEGAPULS 6X

- High accuracy
- Strong focussing
- Internals, such as agitators, do not influence the accuracy of the measuring result
- Reliable measurement of media with poor reflective properties, for example oily products

Sensors for measuring limit level

VEGASWING 61

- Universally applicable for all liquids
- Thanks to its reliable detection capability and long service life, the sensor is particularly suitable as overflow and dry-run protection in storage tanks for cleaning agents

VEGAPOINT

- Optional universal fitting for hygienic adapter simplifies installation and reduces spare parts inventory
- An illuminated ring ensures good readability, even from a distance

Sensors for measuring pressure

VEGABAR 28

- Reliable pressure monitoring of gases, vapours and liquids up to 130 °C
- Innovative CERTEC® ceramic measuring cell
- Optional universal fitting for hygienic adapter simplifies installation and reduces spare parts inventory

Digital solutions for easy monitoring



Not every measuring point is freely accessible or easy to reach. That's why VEGA sensors with Bluetooth are designed to be conveniently operated via a mobile device such as a smartphone or tablet. The VEGA Tools app enables easy commissioning and configuration. [More about the VEGA Tools app](#)

Related industries



Sensors for food production



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