



VEGAPULS 42 – radar measurement technology in compact form

Radar level sensing gains the upper hand in factory automation – the instrumentation manufacturer VEGA has concentrated its decades of experience into a compact sensor that meets all the requirements of modern industry. **VEGAPULS 42** also delivers exact level data in small tanks and batch filling processes.

The radar sensor supports efficient, resource-saving manufacturing processes, especially in hygiene-sensitive areas like the food and pharmaceutical industry. Among other things, this is due to its

- switching frequency: It enables quicker cycle rates and correspondingly fast level changes
- flexible connection options: Different process connections are available, from a standard thread to 1-inch universal connection for the hygienic adapter system.

What advantages does the radar sensor offer?

Efficient plant operation and precise control of production steps are the basis for getting successful results from processes – for example in the [food](#) and [pharmaceutical industry](#). Reliable measured values are extremely important here. **VEGAPULS 42** delivers them with non-contact radar measurement technology and, thanks to its many other innovative features, supports optimised productivity:


- Universal communication: In the 3-wire version, VEGAPULS 42 communicates with IO-Link, is wired easily and cost-effectively via the connection.
- Simple exchange: Parameters that have been set previously are transferred directly to the new instrument by the second-generation Smart Sensor profile.
- Easy control: With the [VEGA Tools app](#), the sensor can also be conveniently controlled and adjusted via a smartphone with [Bluetooth](#) .



Whether with an on-site 360° status display or in a complete metal housing: VEGAPULS 42 brings the advantages of radar level measurement to factory automation.

Continuous radar level sensor tailor-made for hygienic applications

 **IO-Link**

 **Wireless adjustment**

360° status display or on-site digital display

Universal connection for hygienic adapter

Stainless steel housing



Worldwide approvals



Protection classes IP66/67/69

Pressure range -1 ... +16 bar

Temperature range

-40° C ... +130° C/

15 min @ +150° C steam

What does the illuminated ring do?

Is your process running effectively – even from a distance? Its the bright multi-colour illuminated ring on the sensor that makes it possible. This is what greatly enhances the visibility of the sensor and process status. The visualisation capability also increases operational safety.

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