



VEGA sets new standards with VEGAPULS 6X

VEGAPULS 6X: One radar sensor for all applications

With VEGAPULS 6X, VEGA is literally revolutionising radar level measurement. The great advantages of the instrument can be quickly summarised:

- Fast configuration
- Simple setup and commissioning
- Highest security standards
- Simple operation

Is deciding which instrument is the right one, too complicated? No longer!

Whoever has a choice, is blinded by choice – VEGA makes this well-known issue obsolete: The leading manufacturer of level, switching and pressure instrumentation has developed a radar sensor that's a perfect fit for all applications: VEGAPULS 6X.

So, is it "one for all"?

VEGAPULS 6X delivers precise measuring results – no matter whether in liquids or bulk solids, or under adverse conditions like high temperature, dust or extreme pressure. Even

- tight spaces,
- aggressive media like [chlorine](#),
- condensation or
- deposits on the sensor

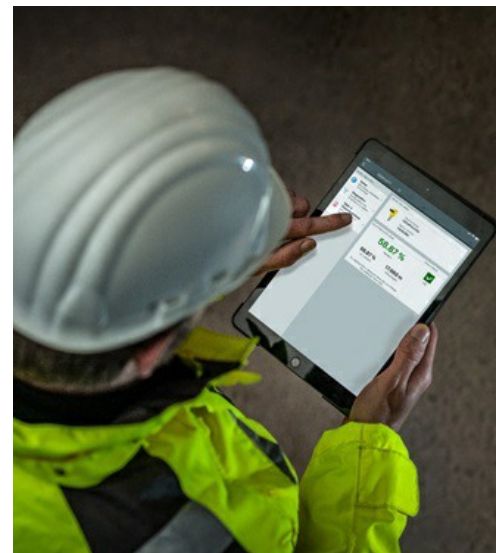
do not affect the measuring result. The instrument is always just right for the application it's needed in: With the help of the [configurator](#), users can easily put together a sensor that fulfils their particular needs with just a few mouse clicks. They don't have to worry about things like operating frequency, suitable connection or DK value of the medium. Setup and commissioning is also simple: If all the details of the application are known, the sensor can be preset so that it only needs to be mounted and electrically connected.

What about safety considerations?

This radar sensor for continuous level measurement is equipped with a comprehensive safety concept. With exceptional safety characteristics and operational reliability, the SIL certified sensor reduces the risks in safety-critical applications. And when it comes to cybersecurity, it meets the highest standards mandated by IEC 62443. All this is possible thanks to the new radar chip developed by VEGA.



How does communication work?



There are several different ways to adjust the instrument: For sensor adjustment directly at the measuring point, VEGA has provided the proven PLICSCOM display and adjustment module, whose menu structure is designed to be clear and easy to understand. The level sensor can also be adjusted via a PC or laptop with PACTware. And lastly, the **VEGA Tools App** offers a wireless adjustment option using Bluetooth on a smartphone or tablet.

The most important technical data:

- Process temperature: -196° to +450° C
- Process pressure: -1 to +160 bar
- Measuring range: 120 metres
- Measuring accuracy: +/- 1 millimetre

Does all that make VEGAPULS 6X the ideal sensor for level measurement with radar? Yes, for sure!

The sensor is the result of more than 30 years of experience in radar measurement technology and over one million radar sensors in use worldwide – in industries like chemicals, energy, food, oil, gas and many others. It combines into one instrument the best from all the 80-GHz, 26-GHz and 6-GHz sensors that came before it: VEGAPULS 61, 62, 63, 64, 65, 66, 67, 68 and VEGAPULS 69. [VEGAPULS 6X](#) delivers exact measuring results regardless of the process conditions and, thanks to the non-contact measuring method, enables maintenance-free operation.

Related applications

- Chlorine storage tank
- Reactor

Related products



VEGAPULS 6X

One radar sensor for all applications: VEGAPULS 6X | VEGA talk