Reliable

Exact measured values are important for smooth operation

Cost effective

Reliable measurement ensures safe and efficient loading and unloading, so that these ships have a longer uptime

User friendly

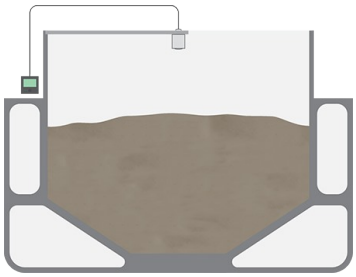
Maintenance free operation thanks to non-contact measurement

Hopper

Level measurement in the hopper of the trailing suction dredger

The hopper contains a mixture of sand, gravel and water. This mixture is collected by one or two suction pipes and drag heads that move over the seabed. The water flows out through so-called overflows and sand and gravel remain and are transported to an end destination for creating new land, or to be used as a supplementary material or building material. Accurate measurement of filling height, to determine the exact volume of displaced material, is important for smooth operation.

More details



VEGAPULS C 23

Level measurement with non-contact radar in the hopper

- Precise measurement close to the bottom
- Reliable measured values unaffected by foam and heavy weather conditions
- No false echoes from installations like frames or pipes thanks to narrow beam angle

Show Product

VEGAMET 342

External controller for 4 ... 20 mA HART sensors

- Power supply, value display, relay contacts and sensor adjustment on the bridge
- Easy-to-read display with plain text and graphics
- Simple adjustment via Bluetooth and PACTware or app for smartphone or tablet

Show Product

BASIC

VEGAPULS C 23 Show Product

Measuring range - Distance 30 m
Process temperature -40 ... 80 °C
Process pressure -1 ... 3 bar
Accuracy ± 2 mm
Frequency 80 GHz
Beam angle 4°
Materials, wetted parts PVDF
Threaded connection G1, 1 NPT, R1
Protection rating IP66/IP68 (3 bar), Type 6P
Output 4 … 20 mA/HART Modbus SDI-12

VEGAMET 342 Show Product

Protection rating IP20/IP40
Input 2 x 4 … 20 mA sensor input
Output 3 x operating relay 1x failure relay (instead of operating relay) 2x 0/4 ... 20 mA current output
Ambient temperature -20 ... 60 °C