



Reliable

Exact level measurement in abrasive and aggressive seawater

Cost effective

Low installation and integration costs

User friendly

Maintenance-free operation due to seawater resistant materials

Ballast water tanks

Level measurement in the forepeak, wing and double bottom tanks with ballast water

The ballast water measurements in the wing and double bottom tanks go directly into the control system for the ship trim, draught and list. Since these measuring points are virtually inaccessible during operation on board, reliability and stability are an absolute must. Pressure shocks, abrasive sand particles and seawater place additional heavy demands on the instrumentation.

[More details](#)



VEGAWELL 52

Hydrostatic submersible pressure transmitter for level measurement in the ballast water tank

- Reliable, durable and robust, seawater-resistant sensors
- Ceramic measuring cell for exact and long-term stable measurement, even with pressure shocks and abrasion
- Simple installation from above or the side

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VEGABAR 28

Hydrostatic pressure sensor for level measurement in the ballast water tank

- Reliable measurement, long service life
- User-friendly, wireless setup and diagnostics with smartphone
- Easy to install lateral mounting arrangement

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PRO

BASIC

VEGAWELL 52
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Measuring range - Pressure
 0 ... 60 bar

Process temperature
 -20 ... 80 °C

Process pressure
 -

Accuracy
 0.1 %

Materials, wetted parts
 PVDF
 316L
 Duplex (1.4462)
 FEP
 PE
 1.4301
 Titanium

Seal material
 EPDM
 FKM
 FFKM

Protection rating
 IP66/IP67
 IP68

Output
 4 ... 20 mA
 Two-wire: 4 ... 20 mA/HART

Ambient temperature
 -40 ... 80 °C

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Measuring range - Pressure
 -1 ... 60 bar

Process temperature
 -40 ... 130 °C

Accuracy
 0.3 %

Materials, wetted parts
 PVDF
 Duplex (1.4462)
 Ceramic
 316/316L

Threaded connection
 $\geq G\frac{1}{2}$, $\geq \frac{1}{2}$ NPT

Hygienic fittings
 Clamp $\geq 2"$, DN50 - DIN32676, ISO2852
 Clamp $\geq 1"$ - DIN32676, ISO2852
 Clamp $\geq 1\frac{1}{2}"$ - DIN32676, ISO2852
 Slotted nut \geq DN25 - DIN 11851
 Slotted nut \geq DN32 - DIN 11851
 SMS 1145 DN51
 SMS DN38
 Hygienic fittings \geq DN25 - DIN11864-1-A
 Hygienic fittings \geq DN40 - DIN11864-1-A
 Varivent N50-40
 SMS DN25
 Ingold connection PN10
 Varivent F25

Seal material
 EPDM
 FKM
 FFKM

Protection rating
 IP65
 IP68 (0,5 bar)/IP69

Output
 4 ... 20 mA
 Three-wire (PNP/NPN, 4 ... 20 mA)
 IO-Link

Ambient temperature
 -40 ... 70 °C