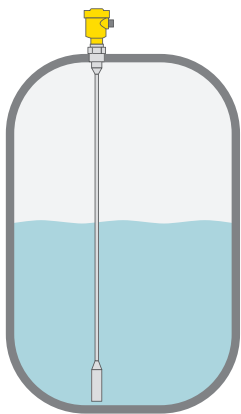


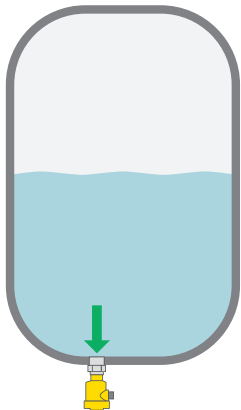
# Hydrostatic



## Hydrostatic pressure measurement

The measuring cell of the pressure transmitter detects minute changes in hydrostatic pressure, which increases or decreases depending on the filling level. The acting pressure is converted into an output signal by the integrated electronics.

Ceramic-capacitive and metallic measuring cells are used to detect the pressure in hydrostatic pressure measurement.



## The advantages

- ✓ The temperature of the medium can also be measured
- ✓ Hydrostatic pressure measurement is not affected by foam generation or vessel internals
- ✓ Precise adaptation to the process through selection of appropriate measuring cells and housing materials

PRO

**VEGAWELL 52**



PRO

**VEGABAR 86**



PRO

**VEGABAR 87**



Application	Liquids	Liquids	Liquids
Sensor diameter	22 mm or 32 mm	32 mm	40 mm
Deviation	0.1 %; 0.2 %	0.1 %	0.1 %
Measuring cell Measuring cell seal	CERTEC®/MINI-CERTEC® FKM, EPDM, FFKM	CERTEC® FKM, EPDM, FFKM	METEC® –
Process fitting	Straining clamp, thread, suspension cable, threaded fitting of 316L, PVDF, Duplex, Titanium	Straining clamp, suspension cable, threaded fitting, thread from G1½, 1½ NPT, flanges from DN 40, 2" of 316L, PVDF	Straining clamp, suspension cable, threaded fitting, thread from G1½, 1½ NPT, flanges from DN 50, 2" of 316L
Process temperature	-20 ... +80 °C	-20 ... +100 °C	-12 ... +100 °C
Measuring range	Absolute and relative 0 ... +60 bar (0 ... +6000 kPa)	Absolute and relative 0 ... +25 bar (0 ... +2500 kPa)	Absolute and relative 0 ... +25 bar (0 ... +2500 kPa)
Overload resistance	up to 150-fold measuring range	up to 200-fold measuring range	up to 150-fold measuring range
Signal output	4 ... 20 mA 4 ... 20 mA/HART + Pt100	4 ... 20 mA, 4 ... 20 mA/HART, Profibus PA, Foundation Fieldbus, Modbus	4 ... 20 mA, 4 ... 20 mA/HART, Profibus PA, Foundation Fieldbus, Modbus
Display/adjustment	PACTware/DTM, VEGADIS 82	PLICSCOM, PACTware/DTM, VEGADIS 81, VEGADIS 82, VEGA Tools app	PLICSCOM, PACTware/DTM, VEGADIS 81, VEGADIS 82, VEGA Tools app
Approvals	ATEX, UKEX, IECEx, FM, CSA, EAC (GOST), UKR Sepro, Overfill protection, Ship	ATEX, UKEX, IECEx, FM, CSA, NEPSI, EAC (GOST), UKR Sepro, INMETRO, CCOE, SEPRO, Overfill protection, Ship, SIL2/3	ATEX, UKEX, IECEx, FM, CSA, NEPSI, EAC (GOST), UKR Sepro, INMETRO, CCOE, SEPRO, Overfill protection, Ship, SIL2/3
Benefit	✓ Versatile application thanks to robust housing and cable design	✓ High plant availability through very high overload and vacuum resistance of the ceramic measuring cell	✓ High measurement certainty even with quickly changing process temperatures