



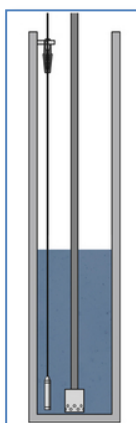
Ex II 1/2G Ex ia IIC T6 GA/Gb

Order-No.: VEGAWELL 52

PRESSURE

Suspension pressure transmitter VEGAWELL 52 - 4...20 mA

The suspension pressure transmitter VEGAWELL 52 is suitable for continuous level measurement of liquids especially for water- / waste water. For e.g. level measurements in open water bodies, in deep wells and ballast tanks. It offers high measurement reliability through highest overload and vacuum resistance of the ceramic measuring cell (CERTEC®). Versatile use thanks to robust housing and cable version



PRO

- **high measurement reliability** by very high overload and vacuum resistance
- Excellent **long-term stability**
- **no** hysteresis
- **good corrosion resistance**
- **very good** abrasiveness
- **for use in zone 1+2** in accordance with the latest ATEX Directive
- **Different mounting concepts** (e.g. straining clamp or with screw connect)

Function Principle

The transmitter operates on the hydrostatic principle. The hydrostatic pressure of the liquid column causes a capacitance change in the measuring cell via the ceramic diaphragm (CERTEC®). This is converted into standard 4 ... 20 mA signals. This works independently of the dielectric properties of the medium and is not affected by foaming.

Note

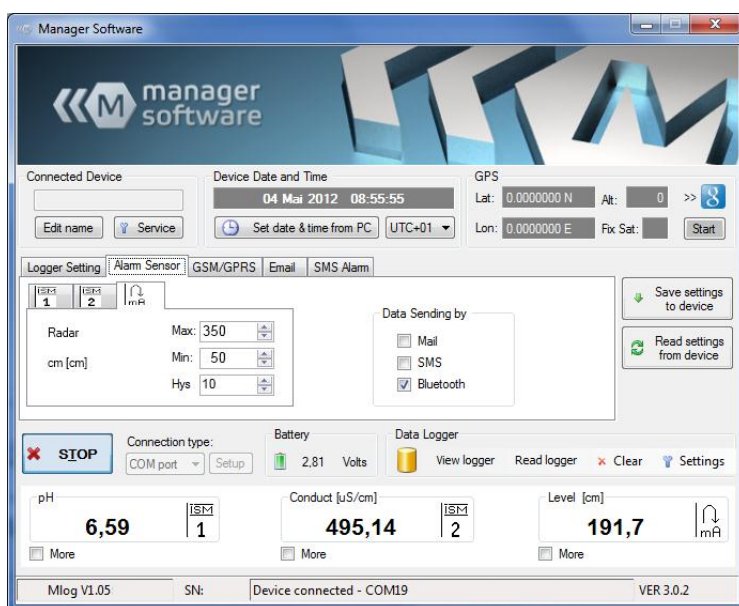
To avoid distortion of the measurements as a result of lateral movements, the VEGAWELL 52 must be mounted in a calm area or in a protective tube.

The lift cable contains the connection leads, the track cable and a capillary for the atmospheric pressure compensation, including breather housing.

Technical Data: VEGAWELL 52 - 4...20 mA

ATEX	II 1/2G Ex ia IIC T6 GA/Gb
Enclosure Rating	IP 68 (transducer)
Material transmitter	AISI 316L, optional Duplex (AISI 318LN), PVDF, Titan optional with PE-coated, PVDF, Titan
Temperature	Process: -20°C .. + 60 °C (-4°F...+140°F) Ambient / storage: -40°C .. + 80 °C (-40°F...+176°F)
Operating voltage	8 ... 36 V DC
Signal output	Output: 4 ... 20 mA max. Max. output current: 22 mA Signal resolution: 2 µA Failure signal: >3,6 mA Run-up time: 2 s (with deviation ≤ 0.2 %)
Sensor diameter	from 22mm (depending on the material and version)
Measuring cell	CERTEC® (Saphir-Ceramic® (99,9 % oxide ceramic))
Function principle	hydrostatic
Measurement Range	0 .. 0,1 bar up to 0 ... 25 bar (0 ... +10 ... 2500 kPa)
Characteristic curve deviation	± 0,2%; 0,1%
Weight	Basis weight 0,8 kg Lift wire 0,1 kg/m
Mlog connection	Uo 15,8V; Io 48 mA; Lo 50mH

Further information about the product <http://www.vega.com> and http://www.vega.com/en/Pressure_Hydrostatic_Pressure_Transmitter_VEGAWELL52.htm.



Presented by:

