APLISENS - SGE-25 SMART LEVEL SENSOR

Hydrostatic

SGE25S0010.000
0..10mH2O, 4-20mA/Hart, 10m PU cable

- 1..100mH2O
- 4-20mA & HART protocol
- ATEX option
- Marine certification (DNV) option

Product description

The SGE-25 hydrostatic level probe measures liquid levels in tanks, deep wells or piezometers. Its specialised design means it can measure water levels in very narrow conditions.

Its operation is based on a simple relationship between the height of the liquid column and the resulting hydrostatic pressure. Applications include pumping stations, fermentation chambers, settling tanks, borehole levels and ponds.

When the probe is lowered to the reference level it can either hang freely or lie on the bottom. If there is a possibility of turbulence in the tank (for example mixer operation or a turbulent inflow) then the probe should be installed inside a screening tube (e.g. made of PVC). Cleaning the probe diaphragm by mechanical means is strictly prohibited. The SGE-25 uses HART protocol and can be configured using the following metrological parameters:

- Units of pressure
- Start and end-points of the set range
- Damping time constant
- Invert the output signal (.i.e. 20-4mA)

Through the data interchange with the probe you can also:

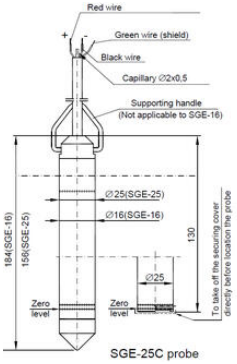
- Identify the probe
- Read the hydrostatic pressure value, output current and percentage of measuring range

Options include Exia, thread on cable entry, titanium wetted parts, DNV approval, cable options and higher temperature rating.

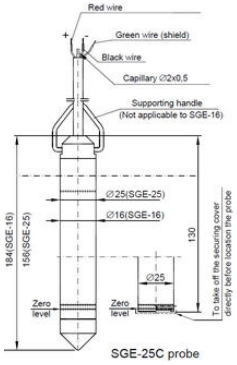
Specifications

Cable length	10 m
Deviation max	0,1 %
IP Class	IP68
Manufacturer Part No	SGE-25.Smart/0-10mH2O/PU/L=10
Material Cable	PUR
Material of body	Stainless steel 316L
Materials Wetted Parts	Hastelloy C, Stainless Steel SIS2350 (316L)

Pressure rang max	10
Pressure range min	0
Signal type	4-20 mA / Hart
Supply Voltage DC Max	55
Supply Voltage DC Min	7.5
Temperature range of media from	-30
Temperature range of media to	40



SGE-25C probe



SGE-25C probe