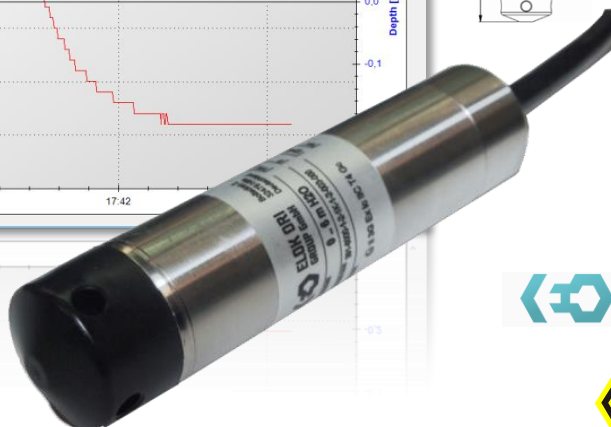
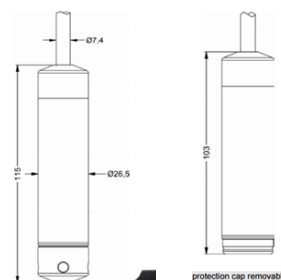
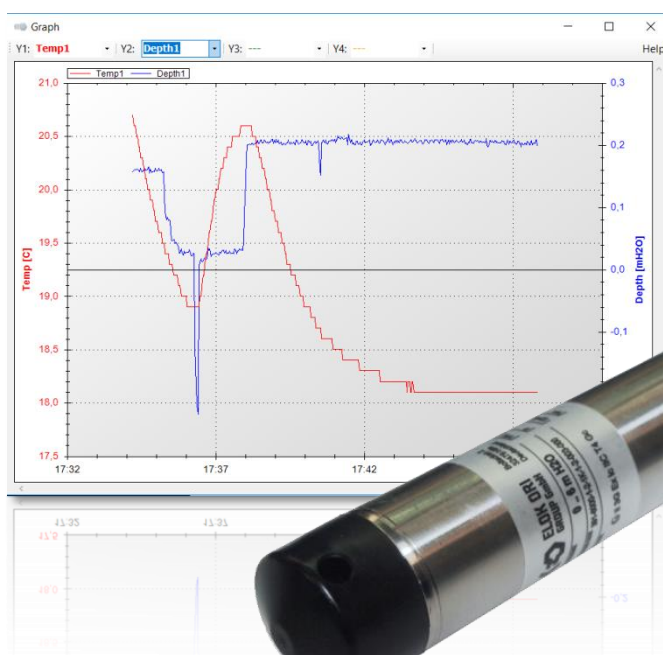


# PRESSURE

## Digital Pressure Sensor PSK 307 - Ex-zone 0 version

The PSK 307 is designed to continuously measure the depth in water or waste water applications. Suitable for all fluids that are compatible with media wetted materials.

The PSK 307 sensor is an ultralow power device and suitable for battery powered applications. The sensor has its own diagnostic functions and it can also detect hardware errors and wrong resistance on the ceramic element.



 **ELOK ORI**  
GROUP GmbH



## Powerful

- For use in **Ex-zone 0**  
Certified according to latest ATEX Directive
- Aluminium oxide ceramic sensor with thick flush membrane
- Pressure and temperature measurement
- **Large pressure range** up to 60 bar
- **Wide temperature range** -10 °C to + 60 °C
- Digital 1-wire technology

## Function

The immersed sensor measures the hydrostatic pressure at a fixed point. The measured value is converted to a digital signal and then displayed as the depth of liquid above the sensor.

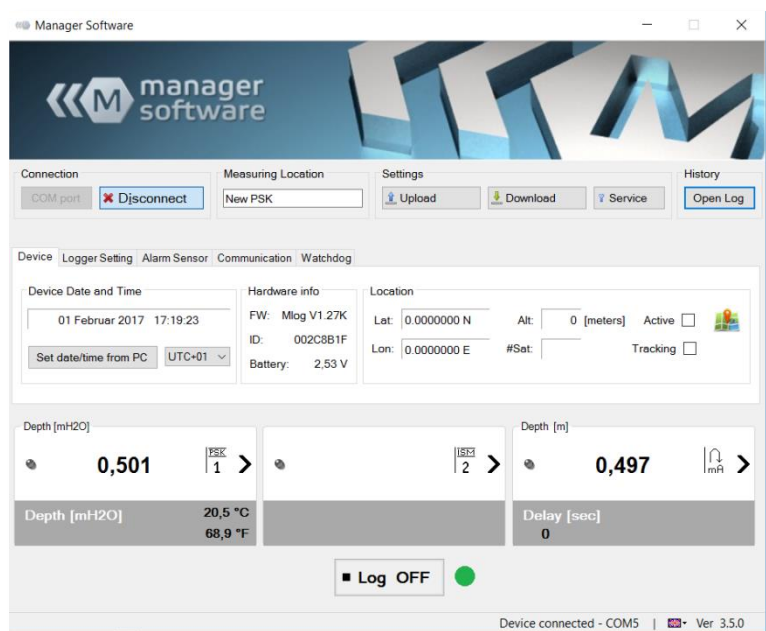
## Note

To avoid distortion of the measurements as a result of lateral movements the PSK 307 must be mounted in a calm area or in a protective tube.

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

## Technical data: PSK 307 Pressure Sensor

Protection - ATEX	II 1G Ex ia IIC T4 Ga
Ingress Protection	IP 68
Material	Body: Stainless steel AISI 316L (W Nr. 1.4404) Protection cap: PDPE (Teflon)
Temperature	Ambient: -10 °C to + 60 °C (+4 °F to +140 °F) Storage: -20 °C to + 60 °C (-4 °F to +140 °F)
Power Supply	Rated voltage range: 3.1 to 5.5 VDC
Signal Output	Measure time < 250 ms (4 samples / 1 sec) Start-up time: 50ms
Sensor	Piezo resistive aluminium oxide ceramic
Nominal Pressure	Different ranges: 0 .. 0.4 bar, 0..0.6 bar, 0..1bar...up to 0 - 60 bar
Accuracy	+/- 0.5% FSO
Dimensions	Ø 26.5 x 115 mm



Presented by:

