# D3-S DEPOSENS<sup>®</sup> 3 Deposit board (tank sensor) Measuring deposits in open water channels or tanks

### **FEATURES:**

Submersible sensor based on the classic German Slime Measurement Board. Deposits formed on the submersed circular sensor surface effect changes in the thermal transmission gradient. These changes are electronically captured and measured. The system works contact-free without any consumables.

## **TECHNICAL DATA:**

Material:SDimensions LxBxH:SWeight:SMinimal media temperature:SMaximum media temperature:SMaximum pressure:SSensor rating class:SCable rating:SConnection length:SMaximum voltage at sensor:S

stainless steel 1.4571 1000 x 120 x 43 mm 2200 g 5°C 70°C pressureless IP68 IP65 3 m 24 V DC

## INSTALLATION:

Choose a location allowing inference for system-wide deposits. Install the sensor by submersing into the tank or an open water channel. The sensor can be submersed for a maximum of 80 cm (see mark). Ensure that the data cable is not submersed and remains over the water level. Ensure the sensor is installed safely and protected against movement by using the bracket and carabiner fastener.

The sensitivity of the sensor is directly affected by the orientation of the sensor in relation to the flow direction. Most buildup of deposits occurs on the side facing away from the direction of flow.

Connect sensor and Controller only when the system is unpowered!

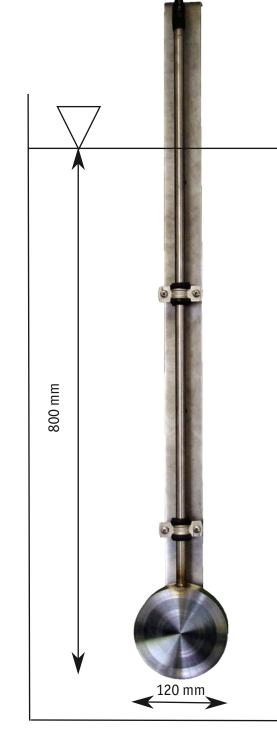
## ADD-ONS:

- bracket with carabiner fastener
- extension sensor cable (up to 25m)



### **APPLICATIONS:**

- all open water circuits
- water tanks
- Pulp and Paper industry





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