

D3-S 3.3

DEPOSENS® 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 submerged 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:	stainless steel 1.4571
Dimensions LxBxH:	1000 x 120 x 43 mm
Weight:	2200 g
Minimal media temperature:	5°C
Maximum media temperature:	70°C
Maximum pressure:	pressureless
Sensor rating class:	IP68
Cable rating:	IP65
Connection length:	3 m
Maximum voltage at sensor:	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

