

D3-S 3.1

DEPOSENS® 3 Pipe sensor biofilm Measurement of biofilms in pipes

FEATURES:

Pipe sensor to detect biofilm deposits in liquid media. Deposits on the inside of the sensor 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
Process connection:	1" BSPT pipe thread
Dimension (LxWxH):	120 x 40 x 65 mm
Weight:	1260 g
Minimal media temperature:	5°C
Maximum media temperature:	90°C
Flow speed:	min. 600 L/h (0.3 m/s)
Maximum pressure:	10 bar
Connection rating class:	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 with a minimum of 20' straight inflow and 10' straight outflow to prevent turbulence.
Mind the proper sensor orientation.
To prevent data artifacts, vertical installation and stable media flow is strongly recommended.

Connect sensor and Controller only when the system is unpowered!

ADD-ONS:

pipe thread tape (Teflon)
extension sensor cable (up to 25m)

APPLICATIONS:

- All water circuits
- Cooling systems
- Chemical industry
- Paper and Pulp industry

