

# SulfiLogger™

Sensor by UNISENSE



## H<sub>2</sub>S sensor for real-time monitoring of dissolved H<sub>2</sub>S in wastewater applications

The SulfiLogger™ H<sub>2</sub>S sensor by Unisense continuously measures the concentration of H<sub>2</sub>S directly in raw wastewater, enabling you to pinpoint target areas for further H<sub>2</sub>S mitigation actions and thus optimizing your asset management strategies.

The sensor provides access to online data in real-time, which can be used as a direct input for chemical dosing algorithms. This will ensure exact dosing based on the actual presence of H<sub>2</sub>S at any given time leading to a reduction in chemical consumption and running costs.

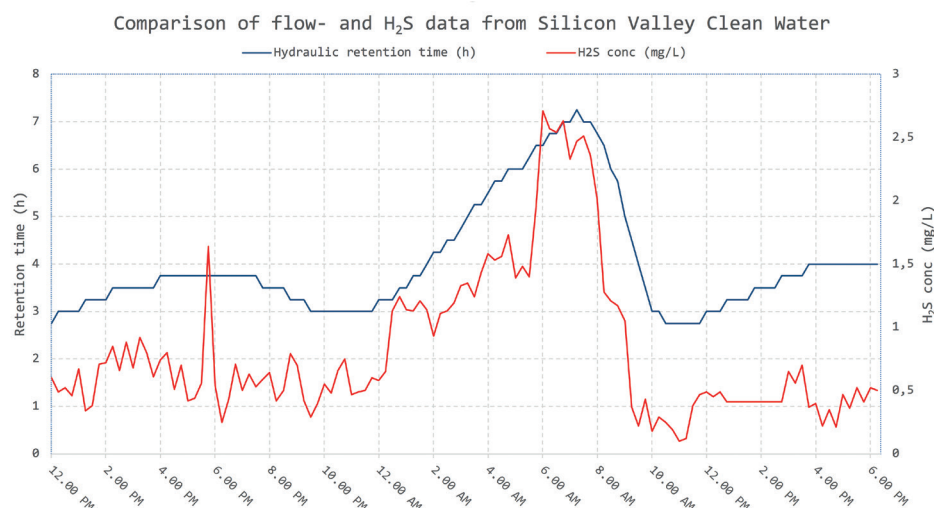
The SulfiLogger™ is designed with reliability, robustness and excellent usability in mind. The sensor is available with different mounting options allowing for easy deployment and maintenance in sewer networks.



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- Continuous online monitoring
- Remote site logging
- Liquid & gas phase detection
- ATEX-approved (X1 series sensors)
- Factory calibrated
- Robust & durable design
- User-friendly



## Products

SulfiLogger™	S1-1020-5mgL X1-1020-5mgL (ATEX)	S1-1120-5mgL X1-1120-5mgL (ATEX)
Application	Online monitoring	Online monitoring
Environment	Wastewater	Pressurized wastewater
Measurement range	0-5 mg/L	0-5 mg/L
Max water depth / pressure	10m	3 barg (44 psi)
Input power	20-30V	20-30V
Output data	RS-232 or 4-20mA	RS-232 or 4-20mA
Mounting	Free hanging Wall mounted	Inline Flow cell

## Technical specifications

Sensor type	Microelectrochemical
Accuracy	±5% of full range
Detection limit	1% of full range
Response time (t <sub>90</sub> )	<25s
Operating humidity range	0-100%
Operating temperature range	0°C - 40°C (32°F - 104°F)
Design temperature range	-20°C - 60°C (-4°F - 140°F)

## Mechanical specifications

Length	240 mm
Diameter	Ø48.3 mm / 1 ½" pipe
Weight	0.85 kg
Material	EN 1.4401 / SS 316L

## Other specifications

Warranty	12 months**
Recycling program	Contact Unisense for more information
Certification*	  Ex ia IIC T4 Ga

\*The ATEX certificate applies to X1 series sensors

\*\* 12 months warranty when used in accordance with the user manual



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