

SulfiLogger™ H₂S sensor

Specifications

Sensor models



SulfiLogger™ S1/X1-1020



SulfiLogger™ S1/X1-1120



SulfiLogger™ X1-1220

	SulfiLogger™ S1/X1-1020	SulfiLogger™ S1/X1-1120	SulfiLogger™ X1-1220
Measurement media*	Wastewater Air	Pressurized wastewater Biogas	Pressurized process water Natural gas
Measurement range*	0-0.5 mg/L (in wastewater) 0-100 ppm (in air)	0-0.5 mg/L (in pressurized wastewater) 0-100 ppm (in biogas)	0-0.5 mg/L (in pressurized process water) 0-100 ppm (in natural gas)
Max pressure	3 barg (44 psi)	3 barg (44 psi)	3 barg (44 psi) Up to 300 barg (4350 psig) with the SulfiLogger™ natural gas sensor system
Operating temperature range	0 °C to +40 °C (32 °F to +104 °F)	0 °C to +40 °C (32 °F to +104 °F)	0 °C to +60 °C (32 °F to +140 °F)
Front design	Passive anti-fouling flush front for sensor submersion	Threaded G 1" (ISO 228-1, BSPP)	Threaded G 1" (ISO 228-1, BSPP)
Material	Stainless Steel EN 1.4404 (316L)	Stainless Steel EN 1.4404 (316L)	Surface treated stainless steel for improved corrosion resistance EN 1.4404 (316L)

* The sensor's analogue 4-20 mA signal is configured to one measurement media and range. Data can be read out in both mg/L and ppm in SulfiLogger™ WebData (requires the PowerCom Box).

Technical specifications

Accuracy	+/- 5%
Detection limit	1% of full range
Response time	<25 seconds
Operating humidity range	0-100%
Max water depth	10 metres
Storage temperature range	0 °C to +40 °C (32 °F to +104 °F)
Design temperature range	-20 °C to +60 °C (-4 °F to +140 °F)
Power input options	4-20 mA loop power DC power (12-28 VDC) Batteries**
Data output options	4-20 mA analogue signal RS-232 digital signal Cloud data**

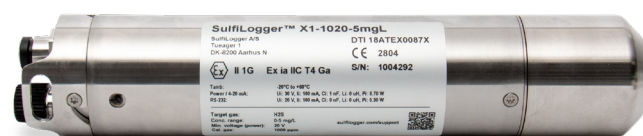
** With the PowerCom Box only.

Mechanical & other specifications

Length	240 mm (9.4 in)
Diameter	Ø48.3 mm / 1½" pipe
Weight	0.85 kg (1.9 lb)
Certification	S1-series: X1-series:
ATEX marking (X1-series)***	II 1G Ex ia IIC T4 Ga
Warranty	12 months****

*** Additional Ex specifications are listed in the Installation Manual.

**** When used in accordance with the Installation Manual.



Specifications subject to change without notice
SulfiLogger H₂S sensor specifications sheet_en-2021-08-100