

SulfiLogger™ H₂S sensor

EN

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 (mg/L) Air (ppm)	Pressurized wastewater (mg/L) Biogas (ppm)	Pressurized process water (mg/L) Natural gas (ppm)
Measurement range	0-0.5 mg/L (in wastewater) 0-100 ppm (in air) 0-5 mg/L (in wastewater) 0-1000 ppm (in air) Custom ranges upon request	0-0.5 mg/L (in pressurized wastewater) 0-100 ppm (in biogas) 0-5 mg/L (in pressurized wastewater) 0-1000 ppm (in biogas) Custom ranges upon request	0-0.5 mg/L (in pressurized process water) 0-100 ppm (in natural gas) 0-5 mg/L (in pressurized process water) 0-1000 ppm (in natural gas) Custom ranges upon request
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)

Technical specifications

Accuracy	+/- 5% of reading
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	<ul style="list-style-type: none">4-20 mA loop powerDC power (12-28 VDC)Batteries*
Data output options	<ul style="list-style-type: none">4-20 mA analogue signalRS-232 digital signalCloud 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)
Warranty	1 year / 5 years**

** 1 year standard warranty. 4 years extended warranty with SulfiLogger Care™

Certification

ETL listed (cETLus marked) to Canadian and US General Safety and Hazardous (Class I, Div. 1) Locations***

ATEX, UKEX, and IECEx approved for use in Zone 0 Hazardous Areas (Ex II 1G Ex ia IIC T4 Ga)***

*** SulfiLogger™ X1 only. Certificates are available on sulfilogger.com/support



Specifications subject to change without notice
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