EN

Measure H₂S anywhere...

AIR WASTEWATER GASES

Inline H₂S sensor for natural gas

Continuously measure H₂S anywhere in natural gas process streams with no sampling or manual test handling.

Measure H₂S anywhere

Get the right data with direct measurements

Continuously measure H₂S in-pipe in unprocessed natural gas to get the right data. Integrate data into SCADA or PLC systems using 4 - 20 mA connectivity - or get cloud data on any device using the PowerCom Box.

In-pipe monitoring

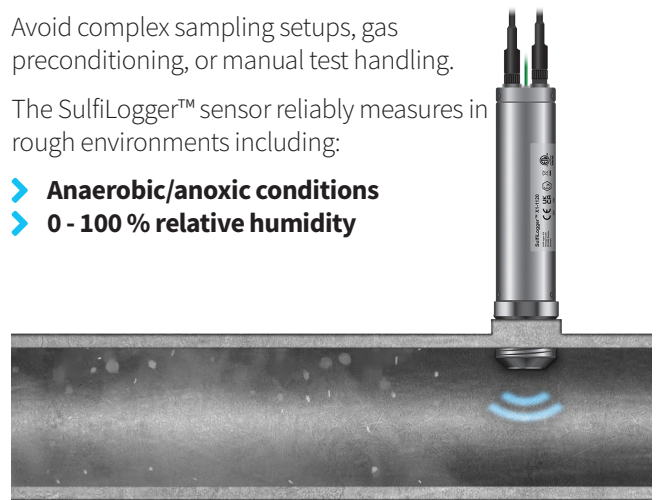Flow cell (with flow & pressure control system)

Avoid manual test handling

Measuring H₂S doesn't have to be complicated

Avoid complex sampling setups, gas preconditioning, or manual test handling.

The SulfiLogger™ sensor reliably measures in rough environments including:

> **Anaerobic/anoxic conditions**
> **0 - 100 % relative humidity**

SulfiLogger leaflet-natural-gas_en_2024-05-100

SulfiLogger

VECTOR℠

vectorcag.com
sales@vectorcag.com
1-800-969-5678

Specifications

Sensor models

	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 0-100 ppm 0-5 mg/L 0-1000 ppm Custom ranges upon request	0-0.5 mg/L 0-100 ppm 0-5 mg/L 0-1000 ppm Custom ranges upon request	0-0.5 mg/L 0-100 ppm 0-5 mg/L 0-1000 ppm Custom ranges upon request
Max pressure	3 barg (44 psi)	3 barg (44 psi)	3 barg (44 psi) Custom pressure rating upon request
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	• 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)
Warranty	1 year / 5 years**

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

Certification

S1 sensors   CE   UKCA   FC

X1 sensors   CE   UKCA   FC   ATEX   IECEx   ETL Intertek

- ETL listed (cETLus marked) to Canadian and US General Safety and Hazardous (Class l, 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 sensors only. Certificates are available on sulfilogger.com/support*

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