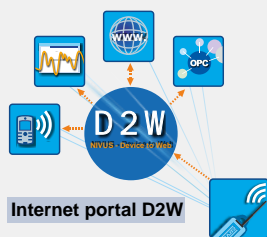


NivuLog H2S / H2S Mini

- Data transmission via GSM or short-range radio
- Measurement data management via Internet portal D2W
- Internal measurement data storage for 440.000 measuring cycles
- Adjustable logging cycle
- Extremely long battery life up to 5 years through MicroPower® technology
- Robust, rubber-coated IP66 enclosure with high chemical resistance
- ATEX certified

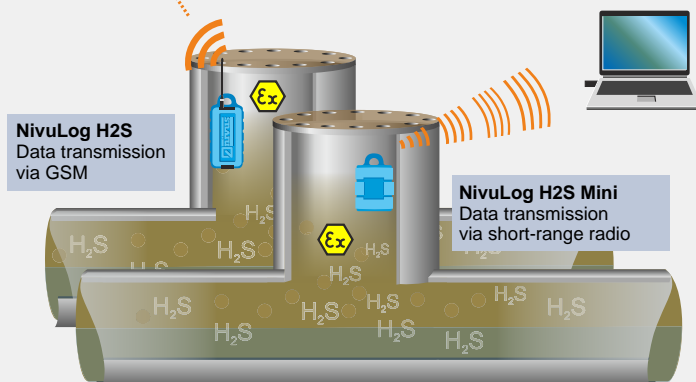
NivuLog H2S / H2S Mini

Compact, portable measurement instrument for data collection of H2S concentration in channel networks



Hydrogen sulfide (H2S) is produced as a result from the degradation of biomass. Far flowing distances, long flowing times as well as saving water at constant pollution loads cause the loads to start decomposition even within the channel.

This in turn leads to heavy corrosion of concrete channel constructions and, in combination with water, destroys the channel constructions in the long run. To avoid damaged channels it makes sense to investigate the hydrogen sulfide concentration, which allows to take the appropriate corrective measures.



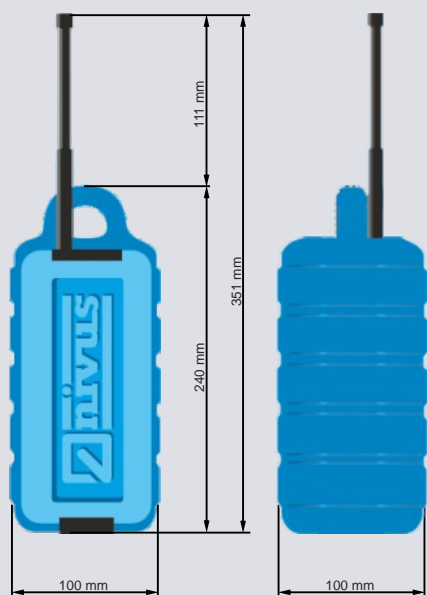
Typical Applications

- Wastewater treatment plants
- Industries
- Public Water and sewage systems



Technical Information

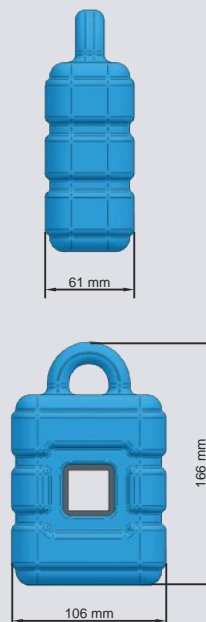
Enclosure Dimensions



NivuLog H2S

Measurement range	0 ... 1000 ppm 0.1 ... 0.25 ppm resolution 2 % repeat accuracy
Range temperature	-10 °C ... 40 °C
Temperature	Ambient -10 °C ... 40 °C Storage -20 °C ... 70 °C
Relative humidity	15 % ... 90 % r.H
Ambient pressure	Barometric pressure ± 10 %
Declaration of conformity - directive	
Electromagnetic compatibility	2004 / 108 / EG: EN61326 Emission class B
Low voltage	2006 / 95 / EG: EN61010 - 1
Lifecycle of H2S sensor	24 months in air
Protection	IP 66
ATEX	Zone 1: II 2 G Ex ib IIB T4
Power supply	Battery life (rechargeable) up to 5 years by MicroPower® Technology
Measurement data storage	440.000 measurement cycles
Enclosure dimensions	240 x 100 x 100 mm (h x w x d) weight approx. 1.9 kg
Transmission	GPRS quad band
Indication	LED for instrument status
Areas of use	<ul style="list-style-type: none"> ■ Data transmission via GSM ■ Suitable for use in remote applications ■ Measurement sites may be managed from anywhere over the world via internet portal D2W ■ Automatic transfer of previous settings at instrument exchange ■ Free adjustable measurement and transmission cycles

Enclosure Dimensions



NivuLog H2S Mini

Measurement range	0 ... 1000 ppm 0.1 ... 0.25 ppm resolution 2 % repeat accuracy
Range temperature	-10 °C ... 40 °C
Temperature	Ambient -10 °C ... 40 °C Storage -20 °C ... 70 °C
Relative humidity	15 % ... 90 % r.F
Ambient pressure	Barometric pressure ± 10 %
Declaration of conformity - directive	
Electromagnetic compatibility	2004 / 108 / EG: EN61326 Emission class B
Low voltage	2006 / 95 / EG: EN61010 - 1
Lifecycle of H2S sensor	24 months in air
Protection	IP 66
ATEX	Zone 2: II 3G Ex nA IIB T4 (Zone 1 in preparation)
Power supply	Battery life up to 24 months by MicroPower® Technology
Measurement data storage	440.000 measurement cycles
Enclosure dimensions	166 x 106 x 61 mm (h x w x d) weight approx. 1 kg
Transmission	SRM smart radio transmission
Indication	OLED-Display
Areas of use	<ul style="list-style-type: none"> ■ Data reading via short-range radio ■ Suitable for use in well developed areas ■ Data management with Excel® or internet portal D2W ■ Adjustable logging cycle