



NivuLog H2S

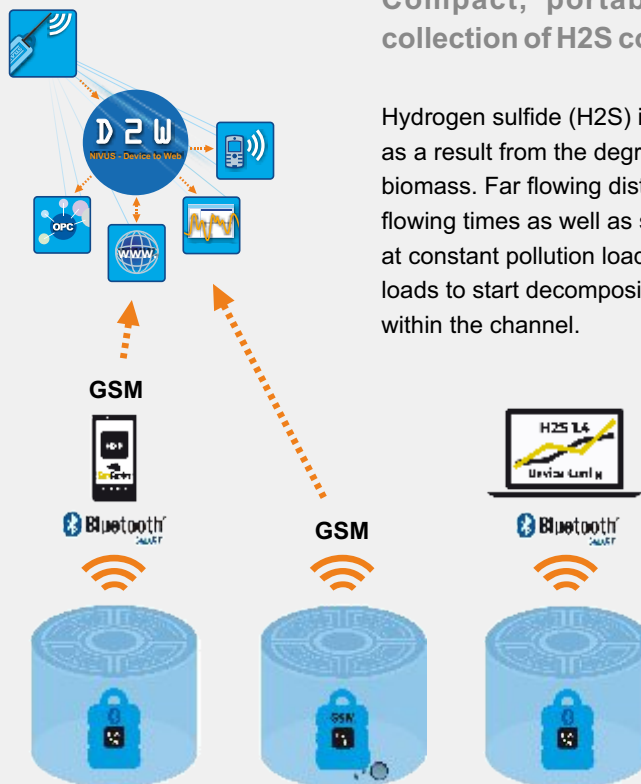
- Data transmission via Bluetooth or GPRS/UMTS
- Data management local or via D2W Internet portal
- Sensor replacement directly on site
- Read out and transmit data to D2W server via smartphone app
- Built-in long-life SIM chip
- Battery life up to 5 years
- Robust, rubber-coated enclosure with high chemical resistance
- ATEX certified

NivuLog H2S Bluetooth / GSM

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

Sensor Replacement



Innovative Sensor Replacement

Old H2S sensor out, new H2S sensor in - magnetic contacts guarantee correct insertion. Instant sensor replacement on site eliminates data gaps and saves service personnel from traveling to the measurement place.

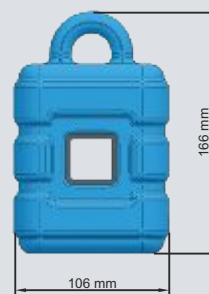


While the new sensor is busy measuring, the old H2S sensor is recalibrated and will be reused after that.

This saves expenses, time and resources. Moreover, you benefit from seamless data acquisition.



Enclosure Dimensions



Dimensions in mm

NivuLog H2S Bluetooth / Ex

Transmission Bluetooth Smart

Display 1.5" full colour OLED display

Battery life Sensor module 18 months at 1 min. measurement cycle, Gateway 36 months

Ambient conditions Protection: IP 66
Pressure range: atmospheric ± 10 %
Operating temperature: -10 °C ... $+40$ °C
Relative humidity: 15 % ... 90 % r.H.
Option: ATEX Zone 1

Sensor modules H2S Gas Nominal: 0 ... 200 ppm, max. overload: 1000 ppm
Resolution: 0.25 ppm, repeat accuracy: 1 %m T90, time: 35 sec., wear: 0 ... 100 %

Measurement values / range Internal Temperature: -20 °C ... $+50$ °C
Internal relative humidity: 0 ... 100 % r.H.
State of battery charge: 0 ... 100 %
Bluetooth / GSM signal quality: -50 dBm ... 110 dBm

Measurement data memory approx. 1380 days with 10 min. recording cycle

Enclosure dimensions 166 x 106 x 61 mm (h x w x d)

Material Noryl GTX 973 / PC

NivuLog H2S Bluetooth GSM / Ex

Bluetooth Smart
2G GPRS 900 MHz / 1800 Mhz
3G WCDMA 900 MHz / 2100 Mhz

Sensor module 18 months at 1 min. measurement cycle,
Gateway 24 months at 4 h transmission interval

You can find more information in the instruction manuals or under www.nivus.com