


# myDatasensH2S1000 BLE & 3G



## Technical data

H <sub>2</sub> S measurement range	0-200ppm; max. 1000ppm 0,25ppm resolution 1% repeat accuracy
Temperature measurement range	-20...+50°C
Operating temperature	-20...+50°C
Storage and transport temperature	-20...+50°C
Air humidity	15...90%rH non-condensing
Pressure range	Atmospheric +/-10%
Life cycle of the H <sub>2</sub> S sensor	2 years in the air
Protection class	Complete system: IP66 Gateway: IP66 / IP68 / IP69 Sensor: IP66
Ex certification	 II 2G Ex ib IIB T3 Gb
Power supply	Battery
Data memory	82.776 measurement cycles
Dimensions (WHD)	106 x 169 x 61mm
Weight	690g
Transmission	Bluetooth Low Energy: Range of approx. 20m  2G/3G modem (World): 2G GPRS 900MHz / 1800MHz 2G GPRS 850MHz / 1900MHz UMTS B1, B2, B5, B8, B19
Displays	1,5" OLED Display

## Application

The myDatasensH2S1000 BLE & 3G is a compact, portable device designed to be operated in wastewater systems to record and transfer H<sub>2</sub>S concentrations. The innovative sensor replacement considerably reduces the amount of work for maintenance personnel while also ensuring that data is recorded continuously. By using the mobile network to transfer measurement data to the server, the site only has to be physically accessed within the calibration interval (every 6 months) and the data can be accessed at all times.

Fields of application:

- Sewage systems
- Industrial plants
- Municipal water and sewage systems

## Product characteristics

- ATEX certified for zone 1
- Innovative sensor replacement
- Ecodesign
- Data transmission via Bluetooth LE or 2G/3G
- Adjustable record interval
- Colour display of the current measurement values
- Battery operating times of up to 24 months thanks to Ultra Low Power technology
- Compact dimensions
- Robust housing with excellent chemical resistance and rubber casing
- Very low commissioning and operating costs



Scope of supply	Order number
myDatasensH2S1000 BLE & 3G	---
H2S 7H Sensor module	300644
Flat antenna Smart Disc Multi Band FME-F 2m	300629
BLE Gateway MDN Protection casing	300662
USB BLE-Adapter	300685
MDN Magnet	206.803

Instead of purchasing the H<sub>2</sub>S 7H Sensor module it is also available as a "Sensor as a Service" (300706)<sup>1)</sup>.

<sup>1)</sup> Services included: Provision of sensor, reconditioning and replacement of the sensor, calibration, repairs, insurance