myDatasensH2S1000 BLE & 3G

CE

Technical data

H_2S 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_2S sensor	2 years in the air
Protection class	Complete system: IP66 Gateway: IP66 / IP68 / IP69 Sensor: IP66
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 H2S 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

- 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 H2S 7H Sensor module it is also available as a "Sensor as a Service" (300706)[1].

[1] Services included: Provision of sensor, reconditioning and replacement of the sensor, calibration, repairs, insurance