myDatasensH2S1000 LTE-M

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
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	760g
Transmission	Bluetooth Low Energy (BLE): Range of approx.20m LTE-M/NB-IoT modem (World): **M1:** LTE B1, B2, B3, B4, B5, B8, B12, B13, B14, B18, B19, B20, B25, B26, B28, B66 **NB1/NB2:** LTE B1, B2, B3, B4, B5, B8, B12, B13, B17, B19, B20, B25, B26, B28, B66
Displays	1,5" OLED Display

Application

The myDatasensH2S1000 LTE-M 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

- ATEX certified for zone 1
- Innovative sensor replacement
- Ecodesign
- Data transmission via BLE or LTE-M/NB-IoT
- Adjustable record interval
- Colour display of the current measurement values
- Battery operating times of up to 10 years 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 no.
myDatasensH2S1000 LTE-M	
H2S 7H Sensor module	
Flat antenna Disc Multi Band FME-F 2m	301260
BLE Gateway MDN Protection casing	
USB BLE-Adapter	
MDN Magnet	

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