

myDatasensH2S1000 LTE-M



Technical data

H ₂ S measurement range	0-200 ppm; max. 1000 ppm 0,25 ppm resolution 1% repeat accuracy
Temperature measurement range	-20...+50 °C
Operating, storage and transport temperature	-20...+50 °C
Air humidity	15...90 % RH non-condensing
Pressure range	Atmospheric +/- 10 %
Life cycle of the H ₂ S sensor	2 years in the air
Protection class	Complete system: IP66 Gateway: IP66 / IP68 / IP69 ¹⁾ 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 61 mm
Weight	760 g
Transmission	Local radio connection: Range of up to 20 m ²⁾ 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

¹⁾ IP68: 105 days at 1 m immersion depth, 35 days at 4 m immersion depth

²⁾ depending on ambient and structural conditions

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 local radio connection 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	301260
<u>H2S 7H sensor module</u>	
<u>Flat antenna disk multi band FME-F 2m</u>	
<u>Protection casing</u>	
<u>USB Adapter</u>	
<u>MDN Magnet</u>	

Instead of purchasing the H₂S 7H Sensor module it is also available as a "Sensor as a Service" (300706) ³⁾.

³⁾ Services included: Provision of sensor, reconditioning and replacement of the sensor, calibration, repairs, insurance