



myDatalogGauge LTE-M



Specifications

Level measurement	2 x BLE Gauge sensors Measuring ranges available: 0-1m / 0-3m / 0-10m
Measuring range temperature	-20...+50°C ¹⁾
Operating temperature	-20...+50°C
Storage and transport temperature	Gateway: -20...+70°C Sensors: -20...+50°C
Air humidity	15...90%rH non-condensing
Protection class	Gateway: IP66 / IP68 / IP69 Sensors: IP67
Ex certification (Gateway)	 II 2G Ex ib IIB T3 Gb
Ex certification (Sensors)	 II 2G Ex ib IIB T4 Gb
Power supply	Battery
Data memory	36.152 measurement cycles
Dimensions (WHD) (Gateway)	106 x 169 x 61mm
Dimensions (DL): (Sensors)	BLE Gauge : 40 x 100mm Pressure sensor: 21 x 74mm
Weight	Gateway: 730g Sensor: 270g
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

¹⁾ The compensation of the temperature-related influences on the fill level measurement only occurs in the range of 0...50°C .

Application

The myDatalogGauge LTE-M is an ATEX Zone 1 approved data logger for level measurement . Every 10sec. , pressure and temperature are recorded by up to 2 sensors suitable for fresh, dirty or gray water. Communication with the sensors takes place via a Bluetooth connection. The measured value acquisition in 10sec. intervals enables a quick reaction and alarm in case of defined events. By using the mobile network for data transmission to the server, it is only rarely necessary to travel to the measurement site and the measurement data can be viewed at all times. With a transmission interval of 24h , a service life of up to 8 years can be achieved in normal operation (gateway and sensors coupled). A smartphone app is available for an easy and convenient commissioning.

The device is suitable for use in:

- Stormwater management ponds
- Industrial plants
- Municipal water and wastewater systems

Product specifications

- ATEX certified for zone 1
- Ecodesign with compact dimensions
- Device configurable via web interface and smartphone app
- Data transmission via BLE or LTE-M/NB-IoT
- Adjustable transmission- and record interval
- Colour display of the current measurement values
- Up to 8 years battery life at 10sec. measurement interval, and 24h transmission interval
- Housing with excellent chemical resistance
- Very low commissioning and operating costs

Scope of supply	Order number
myDatalogGauge LTE-M	301267
Activation module (BLE ATM)	
BLE Gateway MDN Protection casing	
USB BLE-Adapter	
MDN Magnet	

One of the following antennas is required for operation:

- Flat antenna Disc Multi Band FME-F 2m (300629)
- Multi band antenna with bracket (300787)

One of the following sensors is required for operation:

- BLE Gauge pressure sensor 0-1m 9W (300893+300872)
- BLE Gauge pressure sensor 0-3m 9W (300893+300871)
- BLE Gauge pressure sensor 0-10m 9W (300893+300891)