


myDatalogEx LTE-M



Specifications

Inputs	1 x analogue (0...20mA/4...20mA)
Sensor supply	1 x switchable and adjustable sensor supply (max. 22V) <ul style="list-style-type: none"> • U_o : 25,6V • I_o : 82mA • P_o : 0,523W • C_o : 0,31μF • L_o : 1000μH
Operating temperature	-20...+50°C
Storage temperature	-20...+70°C
Air humidity	15...90%rH
Antenna connector	FME-M
Protection class	IP66 / IP68 / IP69 ¹⁾
Ex certification	 II 2G Ex ib IIB T3 Gb
Power supply	Battery
Data memory	66.856 measurement cycles
Dimensions (WHD)	106 x 169 x 61mm
Weight	730g
Transmission	Bluetooth Low Energy: 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
Sensor connector	7-pin MIL connector

¹⁾ IP68: 105 days at an immersion depth of 1m

Application

The myDatalogEx LTE-M is a portable device for the acquisition and transmission of measurement values from 3rd party sensors. The data is recorded via the analogue 0/4-20mA standard interface. By providing a switchable, adjustable sensor supply (max. 22V), the myDatalogEx LTE-M enables independent operation of sensors.

A smartphone app is available for simple and convenient start-up at the site. Communication with the smartphone app is ensured via BLE (Bluetooth Low Energy). For transmission of the data to a central web server the cellular connection is used.

The device is suitable for use in:

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

Product characteristics

- ATEX certified for zone 1
- Ecodesign
- Device configurable via web interface and smartphone app
- Adjustable measurement and transmission cycle
- Management of the sites via the Internet regardless of the location
- Colour display of the current measurement values
- Up to 11 years battery life at 15min. measurement interval, 1sec. heat up and 24h transmission interval
- Robust housing with excellent chemical resistance and rubber casing
- Very low commissioning and operating costs



Scope of supply	Order number
myDatalogEx LTE-M	301487
BLE Gateway MDN Protection casing	
MDN Magnet	
Connection cable 7-pins for sensors 2,8m	

One of the following antennas is required for operation:

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