


myDatalogEASY IoT ATEX 2G/M1/NB1 World Application



The myDatalogEASY IoT ATEX 2G/M1/NB1 World is a freely programmable device for recording, processing and transferring signals. The application program can be created within a few hours with the help of the rapidM2M Studio . The universal inputs can be used to collect data from analogue sensors and signal transmitters. The power supply for the sensors can be supplied directly by the myDatalogEASY IoT ATEX 2G/M1/NB1 World . A separate power supply for the sensors is thus not required. The myDatalogEASY IoT ATEX 2G/M1/NB1 World is equipped with an integrated Bluetooth Low Energy module for wireless communication with sensors and actuators.

Technical data

Universal inputs	2 x analogue or digital <ul style="list-style-type: none"> • 0/4...20mA • Digital / counter
Outputs	1 x switchable, selectable (5...24V) sensor supply
Bluetooth ¹⁾	5.0 compatible Low Energy module
Power supply	Battery or direct
Supply or charging voltage	12...32VDC (max. 12W)
Operating temp.	-20...+50°C , 15...90%rH
Antenna connector	up to 2 x FME-M ²⁾
Degree of protection	IP66 / IP68 (IP68: immersion depth 1m for 105 days min.)
Ex certification	 II 3(1)G Ex ec nC [ja Ga] IIC T4 Gc
Data memory	3MB
Dimensions (WHD)	130 x 240 x 84mm (w/o antenna)
Housing material	Plastic
Weight	920g (w/o Power Supply Unit)
Transmission	Bluetooth Low Energy: ¹⁾ Range: approx. 20m 2G/M1/NB1 World: 2G GPRS 900MHz / 1800MHz 2G GPRS 850MHz / 1900MHz LTE B1, B2, B3, B4, B5, B8, B12, B13, B20, B25, B26, B28, B66, B85
SIM	<ul style="list-style-type: none"> • integrated SIM chip • SIM slot ¹⁾
Display / operation	3-colour LED / Solenoid switch

¹⁾ Additional costs will be incurred to release these features.

²⁾ Depending on the variant and installed additional modules

Product characteristics

- ATEX certified for Zone 2
- Programmable using scripting language
- Universal inputs for digital and analogue signals
- switchable, selectable (5...24V) sensor supply
- Bluetooth Low Energy module
- internal battery compartment
- Optional battery or direct power supply
- Exact calculation of the battery charge using Coulomb method
- Integrated charge controller
- Configuration of the device via web portal
- Very low commissioning and operating costs
- Hardware Real-Time Clock
- Integrated durable SIM chip

Scope of supply	Order no.
myDatalogEASY IoT ATEX 2G/M1/NB1 World	301043
Housing cover	
4x hexagon socket screw M6x30	
Gas protection set for myDatalogEASY IoT series	
MDN Magnet	

One of the following PSUs is essential for operation:

- Battery pack: PSU713 BP (300526)
- Direct DC power supply: PSU DC (300529)