



Mobile, battery-powered data concentrator - no power connection or cables required

The MUC.only is our battery-powered data concentrator for flexible usage at any spot void of a power supply or wherever a cable is perturbing.

Robust and in a stylish housing, it is optimized for usage in the building sector, but also for demanding environments. The intuitive software appeals to simple handling and, combined with instant readiness, permits rapid commissioning.

A typical use case is the reliable detection of leakages in the water network via measurement in transfer chambers with water meters, the surveillance of flow rates in elevated tanks and in distant locations like fields, forests and grassland.

The MUC.only is also interesting to the construction industry: it is an essential component for automated meter reading and thus lays the foundation for the interim consumption information and the utilities statement!

It transmits M-Bus respectively wM-Bus data of individual meters via NB-IoT to an energy data management system, billing system or for visualization purposes. Meter data can thus be transmitted fast and easily even in case of bad mobile radio connection and without a wired network connection. The data transmission itself can occur encrypted or unencrypted via MQTT.

With its support of scriptable transmission formats, allowing to implement e.g. JSON, XML and CSV, the MUC.only is compatible to numerous systems for automated meter reading or energy data management systems.

The MUC.only is configured locally via WLAN/WiFi.



Technical data

Power supply	2 lithium batteries, < 100 nA quiescent current
Interfaces	M-Bus according to EN 13757-2, spring terminals; wM-Bus according to EN 13757-4 and OMS, internal antenna, 868 MHz; WLAN (WiFi): 802.11 b/g/n, internal antenna; NB-IoT (LTE CAT-NB), internal antenna, micro-SIM
Both models:	
Dimensions	125 x 151 x 60 (W x H x D) in mm, without antenna connector for MUC.only M
Mounting / IP class	Wall mounting / IP67
IP address	Freely configurable or via DHCP
Web server	Integrated
Max. baud rate	9600 bps (MUC.only M)
Number of slaves	M-Bus: max. 3, wM-Bus: max. 10
Weight	approx. 580 g