

Waterproof pulse counter AMR-Wireless M-BUS

A plug-and-play pulse counter transmitter and can be mounted outdoors or in harsh environments thanks to its IP66-casing. The device is highly configurable to fit specific needs and suit every installation and can easily be configured wirelessly.

The device uses only the highest quality components to ensure the best performance and service life. The two internal antennas, which are perpendicular to each other for maximum range in all directions between the meter and collectors, are optimized for 868MHz and are fine-tuned for mounting on concrete, wood or plaster.



Technical specifications

Firmware

Modes:	Configurable C, T or S
Interval:	Configurable 10 s – 1 hour
Encryption:	AES128 (OMS mode 5, profile A) Configurable on/off
AES key:	Changeable
Standard:	T1 mode, 5 min (20 s for -DB version), encryption ON.

Data Configuration

Sensor types:	water, electricity, HCA, gas, etc.
Value format:	0.001 – 10,000 Wh/pulse 0.001 – 10,000 L/pulse All settings according to EN-13757-3
Meter types:	All settings available according to EN-13757-3
Due dates:	Max three due dates possible with daily, weekly, monthly, or yearly saving intervals

Warnings

Battery	Low battery
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Power / Lifetime

Power supply:	3.6V Li-SOCI2
Voltage:	2.4–3.6V
Lifetime:	16 years typical at 250, depending on configuration
Radio:	14 dBm (7 dBm for -DB) output power to antenna

General Information

Standards:	2014/53/EU (RED) EN 13757-3/4:2013, OMS 4.0.2
Temperature:	-40°C to +85°C
Color:	Signal white
Material:	UV-stabilized plastic (PC)
Dimensions:	55 × 91 × 43 mm + M12 cable gland
IP	66
Pulse inputs:	2 simultaneous for -P2, 1 for -P variant
Minimum pulse:	5 ms (other setting on request)
Real-time clock:	Onboard RTC. Typical MAX drift 30 minutes / year at -150 to +550

Other

Contact voltage:	3.6–2.5V
Contact current:	4 µA