



# RR10 - M-Bus

Wireless M-Bus radio receiver



## Our strength: Your benefit

- Wireless in-house meter reading transmission - wireless M-Bus:  
**Installation of complex wiring connections in existing cellars is not required (no coordination work with property owners, no changes to buildings)**
- Proven radio transmission in combination with the radio module RCM® for GWFcoder® water and gas meters:  
**Long range**
- No parameterisation required for initial start-up (secondary addressing):  
**Easy and fast on-site installation**
- Radio connection from just one source:  
**One contact for transmitting and receiving data – clear system/responsibility limits**

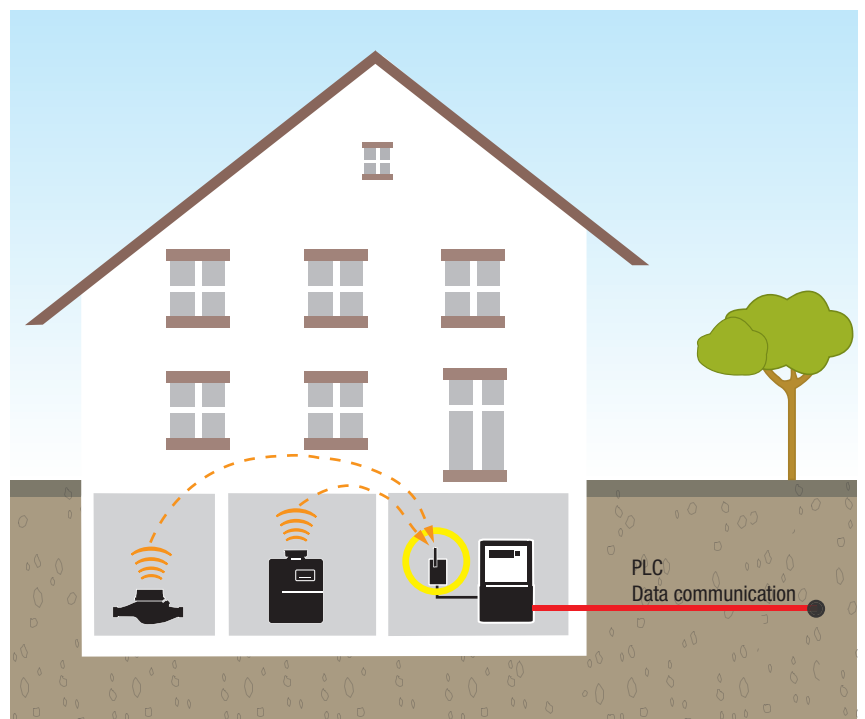
## Application

- Smart metering – readout of electricity, gas, water and heat meters
- Wireless transmission of meter readings to in-house data gateway
- For all verified masters with M-Bus interface

## Features

- M-Bus protocol according EN 13757-3
  - No external supply required - M-Bus supply
  - Reception of up to 64 GWFcoder® water or gas meters (Dependent on the sent data protocol length)
- The radio receiver allows you to receive consumption data from water, gas and heat meters at a central location in a building and to provide this data on a standardised interface EN 13757-3. This interface enables, e.g. intelligent electricity meters to read data and to send it to a central server where customers can, e.g. read their daily water, gas or heat consumption via a web portal. The radio receiver RR10 - M-Bus in combination with the radio module RCM® for

GWFcoder® water or gas meters creates a «wireless M-Bus bridge», meaning complex wiring connections routed through cellars to water and gas meters are not required.





## General performance

- The radio receiver supports the following functions:
  - Primary address search
  - Secondary address search
  - Readout (secondary and primary)
  - Active list – filter function
  - Active list – setting primary address

## Technical Data

### Version

RR10 - M-Bus - M-Bus interface (data protocol: M-Bus EN 13757-3)

### Data transmission M-Bus

Baude rate	2400 baud
Primary address	1-250 programmable
Secondary address	Meter number (8 digits)
No. of meters	64 (Dependent on the sent data protocol length)

### M-Bus device load

Load (incl. power supply)	6 M-Bus unit loads (9 mA)
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### Max. cable length

M-Bus connection cable	1m
M-Bus transmission range	Network dependent

### Dimensions and weight

Dimensions	140x55x25mm
Weight	app. 60g

### Application

Temperature	-10 to +55°C
Protection class	IP54

### Radio reception

Wireless M-Bus EN 13757-4 mode T1	Radio protocol RCM®
Radio reception frequency	868,95MHz
Range	Depends on ambient conditions (up to 100m)

### Type of mounting

Screw fastening