

Wireless M-Bus System

DATA SHEET

- **Wireless M-Bus System for reading Kamstrup MULTICAL® 402**
- **Reading duration only 3-5 seconds**
- **Commissioning time only 15 minutes**
- **Up to 800 meters**



A Wireless M-Bus System is used for quick and easy wireless reading of Kamstrup MULTICAL® 402 fitted with a Wireless M-Bus Module.

Application

In its simplest form, a Wireless M-Bus System consists of a MULTICAL® 402 meter with a Wireless M-Bus Module, a Wireless M-Bus Reader and a PC program for configuration and reading.

The PC program is freely downloaded from Kamstrup's website.

Each meter is automatically created in the PC program by means of the enclosed meter file, and an installation address is entered, if any. If the system in question includes many meters or more than one Wireless M-Bus Reader is used, the meters can be grouped and linked to a specific Wireless M-Bus Reader.

The meter list is transferred to the Wireless M-Bus Reader when it is connected to the PC, or wirelessly when it is connected to a USB power supply. The power supply can be a Kamstrup

Power Pack or a different type of USB power supply.

If more than one Wireless M-Bus Reader is used, it will be an advantage to have one Wireless M-Bus Reader permanently mounted in the PC. In this way, meter lists and reading data will be wirelessly exchanged between each Wireless M-Bus Reader and the PC program. The wireless data exchange is carried out fast and automatically.

In order to save power, the Wireless M-Bus Reader has a built-in movement sensor, which switches it off automatically when not in motion, or when all meters have been read.

Reading of meters

The Wireless M-Bus Reader is connected to a USB power source, e.g. a Kamstrup Power Pack, and is briefly moved.

A green and an orange light emitting diode inform you about the current reading status.

Handling meter data

In the PC program you can choose between viewing the data of one individual meter, or the data of all meters in a total view.

Data can be exported in XLS format to spreadsheet programs, in CSV format to billing programs or to a file in PDF format. Furthermore, data can be sent to a printer.

Updating

Wireless M-Bus Reader can be updated with new functionality via the PC program and is thus prepared for the future.



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Technical data

Computer requirements

Windows® XP - 32 bits, Windows® 7 - 32 bits
1.6 GHz or quicker processor
1 GB RAM or more
20 GB free hard disk or more



System specifications

Number of meters
– on each Wireless M-Bus Reader 200
– totally 800
Reading duration per meter Approx. 3-5 secs.
Data export XLS, CSV, DFF, PDF
Radio communication Wireless M-Bus, C mode
Frequency 868 MHz area
Software update Via Kamstrup web
PC program languages GB, DE, DK, SE

Supported meter types

Heat, cooling and water meters MULTICAL® 402

Registers read

Energy is displayed in kWh, MWh, GJ

Current data Heat energy E1 or Cooling energy E3
Energy E8 (m³ x T1)
Energy E9 (m³ x T2)
Volume V1
Info
Operating hour counter
Date

Monthly data Heat energy E1 or Cooling energy E3
Volume V1
Date

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Technical data



Wireless M-Bus Reader

Dimensions LxWxD	79 x 25 x 15 mm
Weight	15 g
Operating temperature range	-10 to +60°C



Power Pack

Output voltage	5.5 V
Battery	3000 mAh lithium polymer
Mini USB charging cable	1.5 m
Dimensions HxWxD	113 x 57 x 14 mm
Weight	100 g
Operating temperature range	-10 to +45°C



Wireless M-Bus Module

Dimensions LxWxD	64 x 42 x 12 mm
Operating temperature range	-10 to +60°C
Markings	CE

Ordering numbers

Type number	Description
6697-018	Wireless M-Bus Reader incl. Power Pack
6697-017	Extra Wireless M-Bus Reader