

USB Meter Reader

DATA SHEET

- **Wireless reading of Kamstrup electricity, heat, cooling and water meters**
- **Reading duration only 3-5 seconds**
- **Commissioning time only 15 minutes**
- **Up to 800 meters**



The Kamstrup USB Meter Reader is used for quick and simple reading of Kamstrup electricity, heat, cooling and water meters fitted with a radio module with EU frequency.

Application

Each meter is created in the PC program entering meter number and installation address, if any. If the system in question includes many meters or more than one USB Reader is used, the meters can be grouped and linked to a specific USB Reader.

The meter list is transferred to the USB 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 USB Reader is used, it will be an advantage to have one USB Reader permanently mounted in the PC. In this way meter lists and reading data will be wirelessly

exchanged between each USB Reader and the USB Meter Reader program. The wireless data exchange is carried out fast and automatically.

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

Reading meters

The USB Reader is connected to a USB source of current, 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 USB Meter Reader program you can choose between viewing the data of one individual meter, or the data of all meters in a total overview.

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

The USB Reader can be updated with new functionality via the PC program and is thus prepared for the future.

The PC program is downloaded from Kamstrup's web.



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Technical data

Computer requirements

Windows® XP – 32 bit and Windows® 7 – 32 + 64 bit

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 USB Reader 200

– Totally 800

Reading duration/meter Approx. 3-5 secs.

Data export XLS, CSV, DFF, PDF

Radio communication Kamstrup protocol at EU frequency

Software update Via Kamstrup web

Language of PC program GB, DE, DK, SE, RU

Supported meter types

Heat, cooling and water meters

MULTICAL® III, MULTICAL® Compact, MULTICAL® 41, MULTICAL® 401, MULTICAL® 402, MULTICAL® 66, MULTICAL® 61, MULTICAL® 601, MULTICAL® 602, MULTICAL® 801

Readable registers

Energy display in kWh, MWh, GJ

Current data	Monthly data	Yearly data
Heat energy E1	Heat energy E1	Heat energy E1
Cooling energy E3	Cooling energy E3	Cooling energy E3
Energy E8 (m³ x T1)	Volume V1	Volume V1
Energy E9 (m³ x T2)	Pulse input A	Pulse input A
Volume V1	Pulse input B	Pulse input B
Pulse input A	Date	Date
Pulse input B		
Info		
Operating hour counter		
Date		

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Technical data

Electricity meters	Kamstrup 162 Kamstrup 382 Kamstrup 351
Readable registers	Active energy – A14 A14 – T1 A14 – T2 A14 – T3 A14 – T4 A23 A23 – T1 A23 – T2 A23 – T3 A23 – T4 Reactive energy – R12 R34 Date Operating hour counter
USB Reader	
Dimensions LxWxD	79 mm – 25 mm – 15 mm
Weight	15 g
Operating temp. 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 mm – 57 mm – 14 mm
Weight	100 g
Operating temp. range	-10 to +45° C

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Ordering numbers

Typenumber	Description
USB-0101	USB Meter Reader incl. power pack
USB-0100	Extra USB Reader

