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Data sheet

READy Converter, Basic

- Flexible converter unit for meter reading
- Rugged design
- Long battery lifetime
- Support of Wireless M-Bus, C mode and T1 OMS mode



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Part of READy Suite

READy Converter is part of READy Suite and is responsible for the automatic data collection from smart energy- and water meters equipped with Wireless M-Bus communication.

READy Suite is a unique standardized Wireless M-Bus solution for easy and fast reading of smart energy- and water meters.

The reading of the smart meters takes place using the READy Converter which receives data and sends this to a smartphone/tablet which is responsible for storing the data. Each device can contain data from up to 15,000 meters.

The direct communication between the smart energy and water meters and READy Converter is based on a comprised oneway communication protocol focusing on fast, safe and robust data communication and long battery lifetime. This comprised communication protocol is called C mode.

Due to the optimised Wireless M-Bus communication protocol, READy Converter can receive data from up to 30 smart energy- and water meters per second, making it a perfect drive-by solution.

It is possible to read consumption meters, that uses T-mode communication protocol in stead of C-mode. The READy Converter can handle both protocols without any configuration.

What is in the box?

READy Converter is delivered ready to use in a box containing:

- 1 x READy Converter
- 1 x whip antenna
- 1 x quick guide.

The intuitive quick guide leads you through the installation of the PC software and the smartphone app and shows you how to connect software, app and converter unit with each other.



Technical data

Communication interfaces

Meter reading	Wireless M-Bus, C mode and T1 OMS mode
Data transfer to smartphone	Smartphone/tablet wireless interface

Further interfaces

Charging	Micro USB
Optical interface	3 x LED for battery status
User interface	ON/OFF button

Frequencies

Wireless M-Bus, from the meter (EN13757-4:2013)	868.95 MHz
Wireless M-Bus, to the meter (EN13757-4:2013)	869.525 MHz
Wireless reader interface (smartphone/tablet)	2.4 – 2.5 GHz

Power supply

READy Converter

3.6 VDC internal, rechargeable battery

Operation time (fully charged)	< 8 hours
Charging time (fully discharged)	9 hours
Charging consumption	Min. 500 mA (use the original cable)

To function optimally, READy Converter must be fully charged at least once every half year.

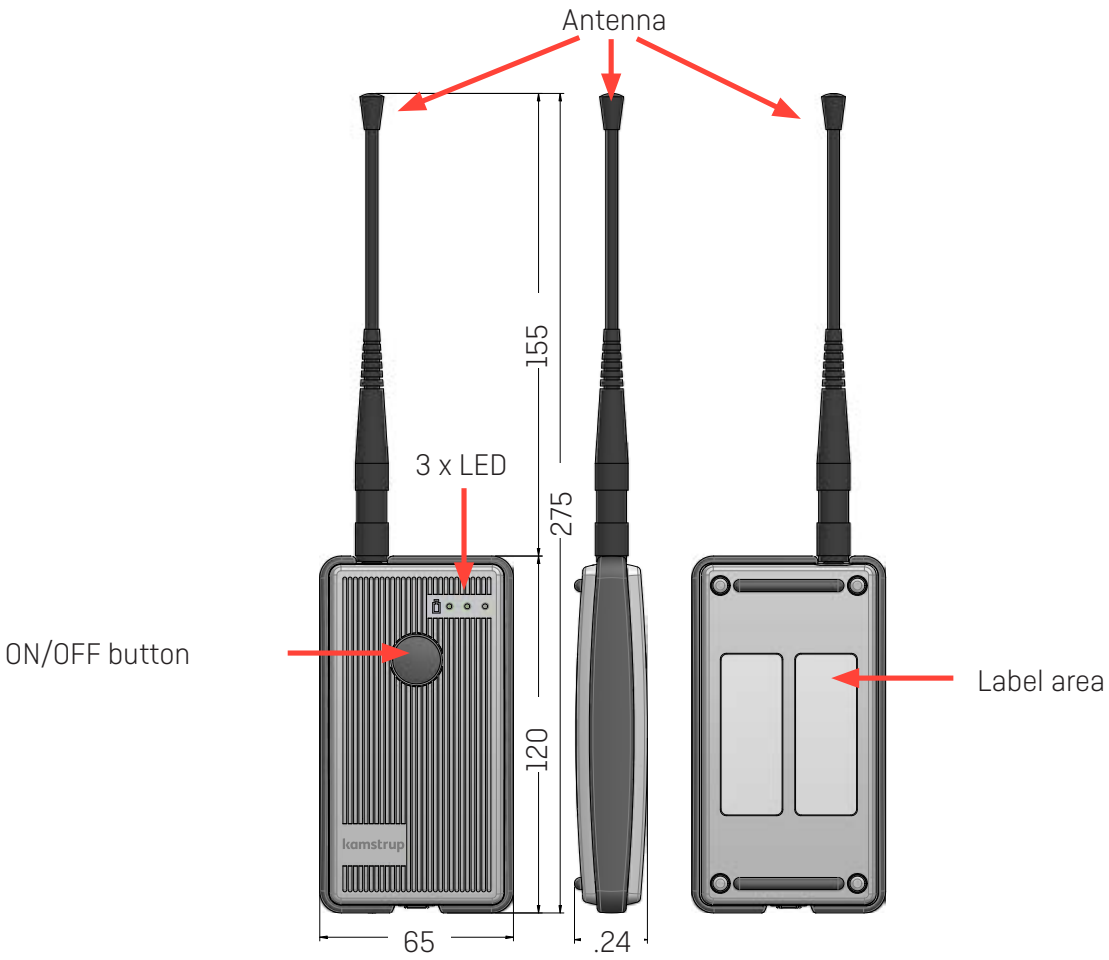
Mechanical data

Size, LxBxD (in mm)	120x65x24 (without whip antenna) 275x65x24 (with whip antenna)
Weight (incl. antenna)	160 g
Antenna plug	SMA
Charging plug	Micro USB
Temperature range	
Charging	10 °C – +55 °C
Operation	-10 °C - +55 °C
Storage	0 °C – 60 °C
Humidity	< 85 %, non-condensing

Supported meter types

Water meters	Heat/Cooling Meters
MULTICAL® 21	MULTICAL® 601
MULTICAL® 62	MULTICAL® 602
flowIQ® 3100	MULTICAL® 603
flowIQ® 2101	MULTICAL® 801
	MULTICAL® 302
	MULTICAL® 402
	MULTICAL® 403

Dimensions


Antenna
155
3 x LED
275
ON/OFF button
120
Label area
kamstrup
65
.24

Marking/standards

- CE
- RoHS
- RED (Radio Equipment Directive) (EN300 220, EN301 489, EN300 328, EN62368, EN62311)

Safety information/disposal

Do not try to disassemble READy Concerter.
Do not expose READy Converter to open fire.

Please return READy Converter to Kamstrup A/S if the above specifications cannot be fulfilled.

Order information

READy Converter Solution (complete)	READyConverter

Accessories

Magnetic roof antenna (complete), EU	6696 011

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