

Data sheet

READY Manager and App

- Intuitive PC software and app for handling data from devices within heat, cooling and water
- Simple icon-based navigation
- Supports both mobile reading and direct reading
- App with built-in installation tool



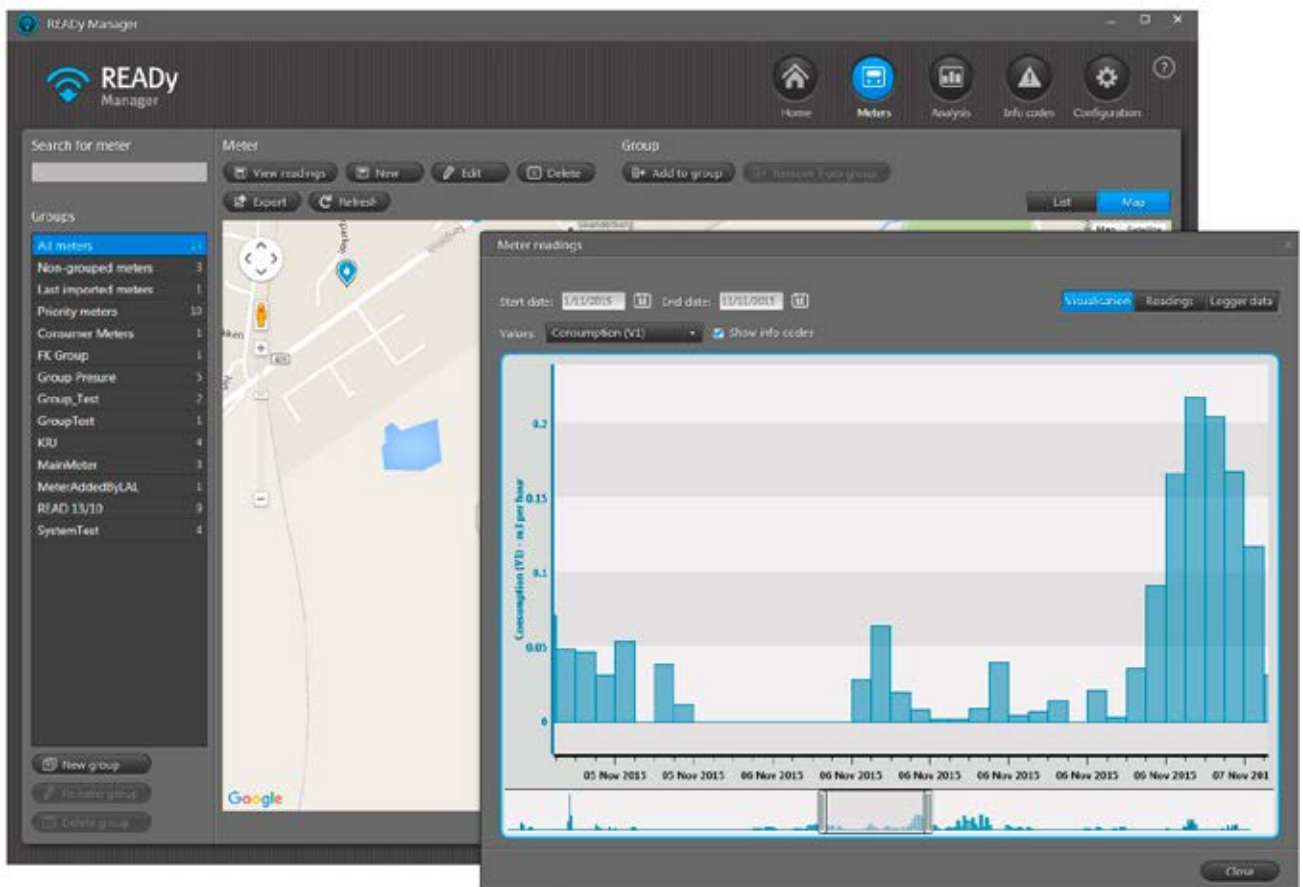
READY Manager – easy to use and with a multitude of functionalities

READY Manager is the PC software for handling meters, sensors and read data. READY Manager has a simple and logical user interface with a start page as the starting point and icon-based navigation to further features, making the application very intuitive and easy to use. Information about the most basic features becomes available by clicking the help icon on the start page. READY Manager is primarily designed to be run as a hosted solution in which read data is saved on secured servers at Kamstrup. Alternately, it can be offered as a local installation as well, where data is stored locally on a customer computer.

The application offers a multitude of features which make data handling easy, for example:

- Mobile reading
- Direct reading on a daily basis via Fixed network (purchase)
- Direct reading on an hourly basis via Fixed network (purchase)
- Direct reading of selected meters in 5-minute intervals (purchase)
The interval time depends on the network strength
- Generic import functionality for importing customer database
- Graphical visualisation of read data
- Display of meters on map
- Automatic GIS coordinates on the basis of addresses
- User-defined export formats for exporting to billing systems
- Automatic export functionality
- Possibility of receiving readings by email on an hourly, daily, weekly or monthly basis (hosted solutions only)
- Grouping of meters
- Management of mobile reading units
- Overview of info codes
- Display of logged data from heat, cooling and water meters
- Advanced filtering

READY Manager – easy to use and with a multitude of functionalities



READY Manager – hardware and software requirements

The hardware requirements depend on if the application is run as a hosted solution or is installed locally.

Hosted solution

PC with Microsoft Internet Explorer 9 or newer and Microsoft Windows 10, 64 bit.

The PC must be fully updated via Windows Update.

Internet access and open outgoing TCP/443.

Locally installed solution

Processor	Intel Core I3 compatible processor 2.4 GHz or faster
Processor (recommended)	Intel Core i5 compatible processor (Intel Core i5-6300U) 2.4 GHz or faster
RAM	8 GB RAM
RAM (recommended)	16 GB RAM

Hard disk (recommended)

Metering points	Mobile reading (based on one reading per month)	Fixed network Daily basis	Fixed network Hourly basis
0-15000	128 GB SSD	128 GB SSD	256 GB SSD
15001-50000	128 GB SSD	128 GB SSD	500 GB SSD
50001-100000	256 GB SSD	500 GB SSD	1000 GB SSD

Software (water)

Metering points	Mobile reading (based on one reading per month)	Fixed network Daily basis	Fixed network Hourly basis
0-800	●	●	●
801-2700	●	●	■
2701-42000	●	■	■
>42001	■	■	■

Data retention

Included storage of hourly readings for 13 months, daily readings for 5 years and monthly readings for 10 years, the storage duration can be changed on request.

READy Manager – hardware and software requirements

Software (heat, cooling, water)

Metering points	Mobile reading (based on one reading per month)	Fixed network Daily basis	Fixed network Hourly basis
0-500	●	●	●
501-1.000	●	●	■
1.001-10.000	●	■	■
>10.000	■	■	■

● =

- Windows 10, 64 bit / Windows 10 Pro, 64 bit
- .Net Framework 4.7.1
- Microsoft SQL Server 2017 Express (included in the price).

■ =

- Windows 10, 64 bit / Windows 10 Pro, 64 bit
- .Net Framework 4.7.1
- Microsoft SQL Server 2017 Standard (to be purchased separately).

The PC must be fully updated via Windows Update.

In addition, some features require internet connection and that the following ports are open:

- TCP/443 outgoing (synchronisation with mobile units and concentrators via web and with Encryption Key Service)
- TCP/20 and 21 outgoing (access to automatic updates)
- TCP/80 outgoing (automatic licence renewal)
- TCP/8703 incoming (direct synchronisation with concentrators and mobile units)
- TCP/8704 outgoing (used if server and client are not installed on the same unit)
- UDP/8705 local area network (READy App and READy Manager discovery)
- TCP/9443 outgoing (facilitated synchronization with concentrators)
- TCP/11443 outgoing (facilitated synchronization with concentrators).

READY App – mobile reading and installation tool

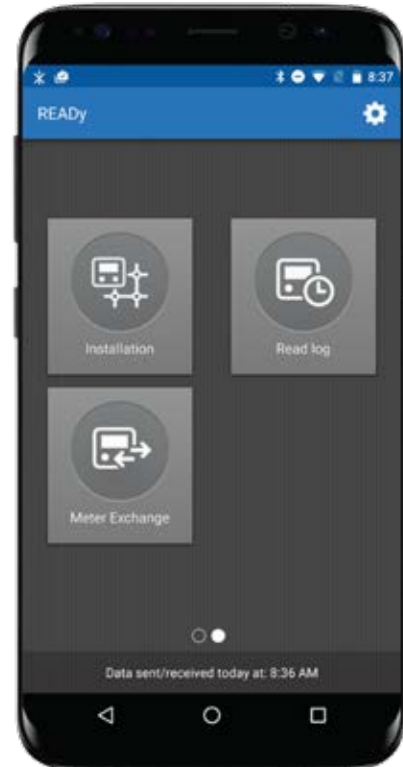
READY App is a mobile application which – together with a Bluetooth®-connected converter – changes your smartphone into an efficient reading tool. READY App is extremely intuitive and makes meter reading and data synchronisation with the central data management software easy.

By pressing a button in READY App, data is synchronised wirelessly with data in the central data management software by which the meters become available in the app. When READY App is in reading mode, an integrated Google Maps feature shows the geographical position of not yet read meters on a map, making meter reading with READY App very simple and efficient. As the meters are read, they light up and disappear from the map. In this way, the operator is provided with a clear picture of the positions of the remaining meters.

In addition to reading the wireless data communication from the meters, READY App can be used together with a Bluetooth®-connected optical eye. When the optical eye is placed on the infrared connection port of Kamstrup's heat, cooling and water meters, the data logger in the meter can be accessed from READY App.

READY App contains functionalities which make mobile reading and network setup simple and efficient, including:

- Handling of up to 15,000 metering points
- Map view and list view of meters
- Search function
- Graphical display of logged data from heat, cooling and water meters
- Display of info codes
- In-field synchronisation of data with READY Manager
- Verification of the signal strength from meters
- Configuration of network components.



Kamstrup A/S

Industrivej 28, Stilling
DK-8660 Skanderborg
T: +45 89 93 10 00
F: +45 89 93 10 01
info@kamstrup.com
kamstrup.com