kamstrup

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

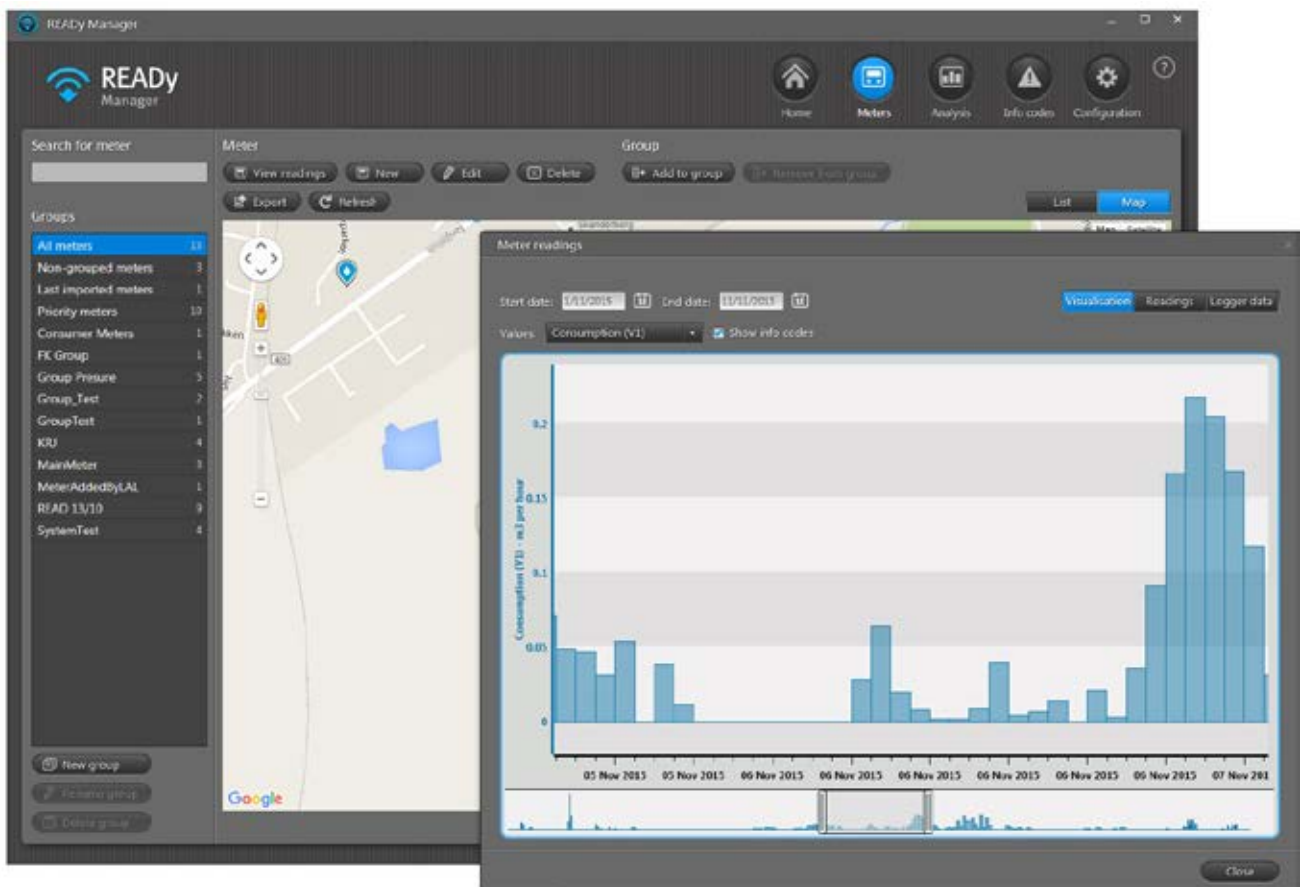# READy Manager – easy to use and with a multitude of functionalities

READy Manager is the PC software for handling meters, sensors and data. READy Manager has a simple and logical user interface with a start page and icon-based navigation to further features, making the application very intuitive and easy to use. Information about the most basic features are available by clicking the help icon on the start page. READy Manager is primarily designed to run as a hosted solution in which reading data is saved on secured servers at Kamstrup. Alternatively, 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 reading data
- Display of meters on map
- Automatic GIS coordinates based on 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 whether the application runs as a hosted solution or it 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	🔵	🟪	🟪
>42000	🟪	🟪	🟪

Data retention

Included storage of hourly readings for 13 months, daily readings for 5 years and monthly readings for 10 years.

Thinning of data – starting from summer 2024

Reading data collected via network and drive-by is thinned according to the following rules:

• During the first 13 months, all readings are stored
• After 13 months, readings are compressed to 1 per day
• After 5 years, all readings are deleted

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 2019 Express (included in the price).

■ =

- Windows 10, 64 bit / Windows 10 Pro, 64 bit
- .Net Framework 4.7.1
- Microsoft SQL Server 2019 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).

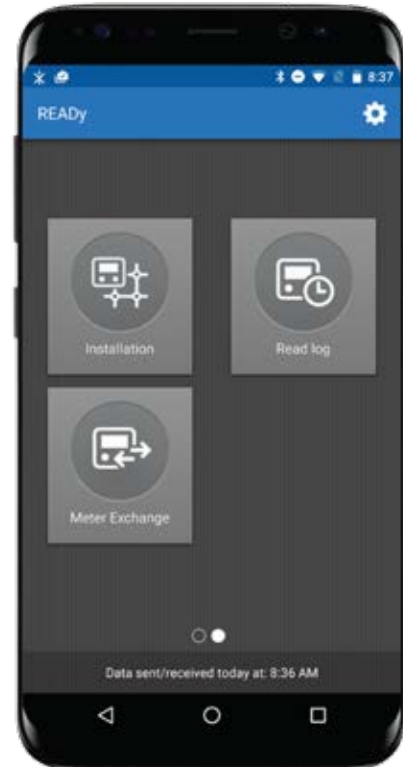# READy App – mobile reading and installation tool

READy App is a mobile application that – 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 read-out head. When the optical head 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.

READy App – recommended hardware

Smart phones
- Samsung Galaxy S8/S9/S10
- Samsung A-modeller A40/A50
- HUAWEI P3 Lite
- Nokia 7.2/8.1 (Android One)

Tablets
- Samsung Galaxy S2
- Lenovo Tab 4
- HUAWEI MediaPad T5

Recommended Android version   Minimum 8.0

READy App – hardware and software requirements

Hardware

Memory	Minimum 12 MB
Connection	Wi-Fi, Bluetooth 2.1
Display size and resolution	Minimum 4.3" and 1024 x 768

Software

OS	Android, minimum version 8.0

IP access to PC software via Wi-Fi

Google Play access (Google account).

In addition, some features require the following:
- Mobile data access (SIM card) for using map view
- Integrated camera in smartphone (for easy pairing of PC software and smartphone app).

READy Manager and App

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