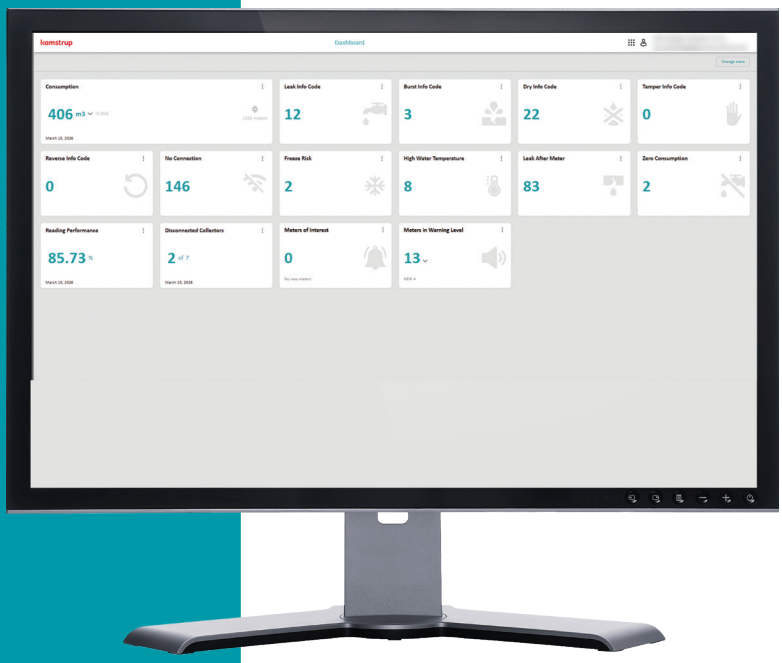
kamstrup

Data sheet

flowIQ® Smart Water Platform

Intuitive, scalable, cloud-based single platform solution for managing data from intelligent water meters

- Powerful and flexible data integration and API support
- Effective alert and installation management
- Near real-time notifications



flowIQ® Smart Water Platform – Cutting edge software for actionable insights

flowIQ® Smart Water Platform is Kamstrup's software solution designed to provide actionable insights into utility and customer-level consumption, intelligent alert and network management. The user-friendly interface allows for easy navigation, enabling users to maintain an overview and stay on top of abnormal consumption and meter health through effective filtering and proactive notifications from a top-down perspective. The at-a-glance dashboard displays alerts, and other key performance indicators, making it simple to dive into necessary actions. Hosted regionally in a Microsoft Azure cloud setup, flowIQ® Smart Water Platform ensures your data is protected with the latest rigorous security measures.

Highlighted features:

Data management

- Single software platform for fixed network and NB-IoT data reading and alert support
- High data security utilizing Kamstrup encryption keys for advance security with AES-128 bit encryption
- Alert management for thresholds and normal vs. high priority alarms
- Data export functionality for customer integrations and data analysis
- Management of mobile route creation and Drive-by reads/alarms is supported through READy App
- Network Collector management and notifications.

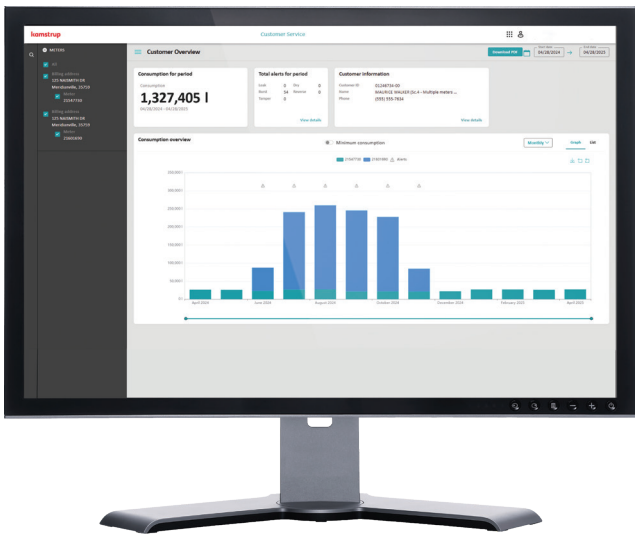
Data integration

flowIQ SWP is depended on READy and the functionality decribed below issupported in READy and not in flowIQ® SWP.

- Flexible user-defined import and export integrations with customizable CSV, fixed width, or API formats for billing or data analysis
- Automatic import and export functionality (scheduling)
- Possibility of receiving readings by email (predefined intervals)
- Advanced filtering
- API integration using REST and Webhook (SHA-256) via JSON (e.g. for consumption to do billing).

Data visualization

- At a Glance Dashboard for a fast operational overview
- An optimized customer service module that facilitates good consumer dialog
- Meter/Concentrator and infrastructure location on a map
- Automatic GIS coordinates based on addresses
- Alert overview with flexible filtering and sorting options
- Intelligent alerts
- Display of logged data from meters
- Grouping of meters
- Analysis of users by high/low or no consumption
- Download consumption reports and export CSV file of chosen alerts
- A new installation management tool to enhance troubleshooting and providing insight to a single installation.



flowIQ® Smart Water Platform – Hardware and software requirements

Hardware requirements

Type	Minimum	Recommended
Processor	Intel Core I3 compatible processor (2.4 GHz) or equivalent	Intel Core i5 compatible processor (Intel Core i5-6300U, 2.4 GHz or faster)
RAM	8 GB	16 GB
Monitor Resolution	XGA-1024 x 768	FDH-1920 x 1080
Interaction	Keyboard & Mouse	Keyboard & Mouse

Software requirements

flowIQ® SWP is depended on READy Manager and cannot stand alone. Having a READy Manager subscription is therefore a requirement for flowIQ® SWP to show data. Please see the READy Manager Datasheet for a specification on the software and hardware requirements for READy Manager.

Type	Minimum	Recommended
Browser	Google Chrome, Apple Safari or Microsoft Edge. Latest or previous version.	Google Chrome, Apple Safari or Microsoft Edge. Latest version.
Internet Connection	10Mbit with HTTPS (port 443)	100Mbit with HTTPS (port 443)

Thinning of data

Data is stored only as long as required. By default, data that is collected via network and drive-by is automatically thinned according to the procedure below:

- 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.

Security

Kamstrup is ISAE3000 and ISO27001:2022 certified and works in alignment to relevant aspects of CIS18 and the IEC62443 set of standards.

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