


flowIQ® 2101

**kamstrup**

## Next generation smart water metering

- Proven ultrasonic technology
- Pinpoint accuracy for increased revenue protection
- Intelligent alarms limit non-revenue water
- Flexible communication options including IoT support



An aerial photograph of a residential neighborhood during sunset. The sun is low on the horizon, casting a warm glow over the scene. The houses are mostly two-story buildings with red-tiled roofs, interspersed with lush green trees. The sky is filled with soft, colorful clouds in shades of orange, pink, and blue.

## The ideal ultrasonic smart water meter for residential use

The flowIQ® 2101 is a smart water meter based on the latest ultrasonic technology. The meter has no built-in moving parts and is therefore less sensitive to impurities in the water and to wear and tear. This ensures increased longevity and better performance compared to traditional mechanical meters.

The meter has industry-leading accuracy to ensure that even very low flows are measured down to the very last drop. This secures a fair and correct billing, improves the quality of your data and helps you reduce non-revenue water.

## Say goodbye to manual meter readings

The flowIQ® 2101 comes with integrated communication that allows for safe and easy remote reading through Wireless M-Bus, Wired M-Bus and Sigfox - without any add-on devices.

This means that you can say goodbye to manual meter readings and estimated calculations. You can significantly decrease your data collection time and avoid time-consuming follow-ups on lacking or imprecise readings. These follow-ups only disturb your end-users. Instead, you can spend your resources on more value-creating customer services.



### Connect your meters to the Internet of Things

The flowIQ® 2101 is now also available with Sigfox communication in an innovative but tried and tested solution that takes IoT within smart water metering from theory to concrete reality.

## Tap into the value of your data

### More than consumption metering

Intelligent alarms from the meter let you detect leaks and bursts or other irregularities such as tampering attempts or reverse flows quickly and effectively. This limits both the non-revenue water as well as any consequential damages from leaks and pipe bursts.

At the same time, the flowIQ® 2101 enables you to monitor both the ambient temperature and the temperature of the water. flowIQ® 2101 can forewarn you if the water quality has possibly changed or if there is a high risk of bursts due to frost.

### Improve your customer service

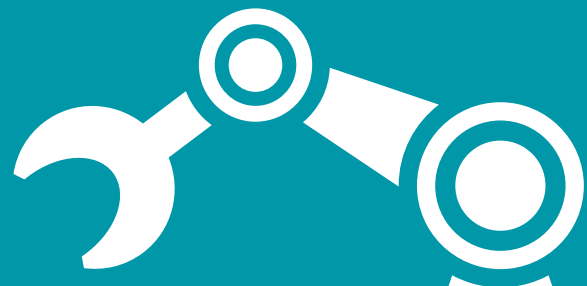
With the flowIQ® 2101, you are well prepared to handle customer enquiries, and you can give the end-users access to detailed information about their own consumption.

## Smart meter – smart design

The flowIQ® 2101 is made from 100% eco-friendly and durable composite.

The meter is fully watertight and can be installed without any risk of water ingress or condensation in the display.

Our fully automated production process ensures consistent quality and hygienic, accurately calibrated meters.



**Product range**

Meter Size Q <sub>3</sub> [m <sup>3</sup> /h]	Connection on meter	Length [mm]
1.6	G¾B	110
2.5	G1B / G¾B / G1B	105 / 110 / 130 / 190
4.0	G1B	130 / 190

**Technical specifications**

Nominal flow	1.6 / 2.5 / 4.0 m <sup>3</sup> /h
Start flow	2.0 / 2.0 / 3.2 l/h
Pressure loss	0.17 / 0.40 / 0.40 bar
Water temperature	0.1...50 °C [cold water] 0.1...70 °C [hot water]
Environmental/ambient/standard class	IP68, 100 % submersible. Fulfils OIML R49 class B and O (indoors/outdoors)
Pressure stage	1600 kPa (PN16)
Display	Total usage [m <sup>3</sup> / liters] (5 / 3 digits) Alarm codes [Leak, Burst, Dry, Reverse, Tamper]
Integrated radio transmitter 868 MHz. for remote reading (Mode C1 & T1 - OMS & Sigfox)	Mode C1 & T1 - OMS: Transmits data every 16 or 96 seconds Sigfox: Transmits data once a day* * Transmitted data: Consumption values and info codes are always transmitted. In addition, several combinations are possible if you need information on max and min. flow or temperature.
Battery	Lifetime up to 16 years
Meter housing and flow pipe (wetted parts)	Glass fiber reinforced PPS composite
Approved for drinking water in	AT, BE, CH, CZ, DE, DK, FR, GB, HR, HU, IT, NL, PL, RO, US

**Local Sales & Support:**

**Kamstrup Middle East FZC**  
Dubai Outsource City, Building 8  
Office 205 P.O. BOX 345040  
Dubai, United Arab Emirates  
T: +971 4 453 7337  
dubai@kamstrup.com  
kamstrup.com

**Headquarters:**

**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