

flowIQ® 3200 & 4200

**kamstrup**

## District and commercial water metering

- Ultrasonic accuracy throughout the lifetime
- Pinpoint accuracy across flow ranges
- Always accurate billing
- High quality and long life – up to 20 years
- Meter sizes ranging from DN32-DN300



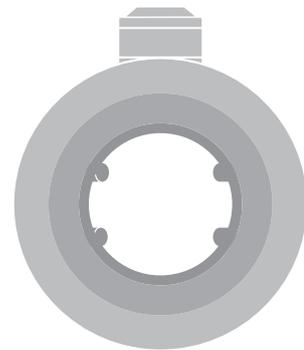
# The next generation of commercial and district water meters

flowIQ® 3200 & 4200 are Kamstrup's meters for use in commercial installations or as district meters. These meters have the high accuracy and reliability known from other Kamstrup products.

The flowIQ® 3200 & 4200 offer high measurement accuracy thanks to robust construction, the material quality and well-executed workmanship.

Furthermore, Kamstrup tests all flowIQ® 3200 & 4200 meters at an ISO 17025-accredited flow calibration laboratory to ensure the high accuracy of all our meters. flowIQ® 3200 & 4200 allows you to establish and thus measure at different district areas in your network. This is an effective way to monitor water loss and get a better overview of the distribution network.

Every drop counts when it comes to accurate billing. Our flowIQ® 3200 & 4200 water meters measure the consumption in the installation with high accuracy throughout their lifetime. This ensures fair billing, giving you revenue that you can reinvest in your network.



## Ultra-precise metering

Based on the latest ultrasonic technology and more than 30 years of experience, flowIQ® 3200 & 4200 offers industry-leading measurement accuracy and detects starting flows as low as 20 L/hour for DN50

Our meters are highly stable throughout the entire flow range and have a very low margin of error. flowIQ® 3200 & 4200 meters have no moving parts and are therefore less prone to wear and tear, ensuring high and stable accuracy throughout a lifetime of up to 20 years.

flowIQ® 3200 & 4200 support external communication via built-in radio, allowing for safe and easy remote reading, as well as being able to integrate directly into Kamstrup's reading systems.

Both flowIQ® 3200 & 4200 are available with wired output for connection to Kamstrup flowIQ® Gateway. On the flowIQ® 4200, the battery can be replaced and the meter can be powered from the flowIQ® Gateway.

## Reducing non-revenue water

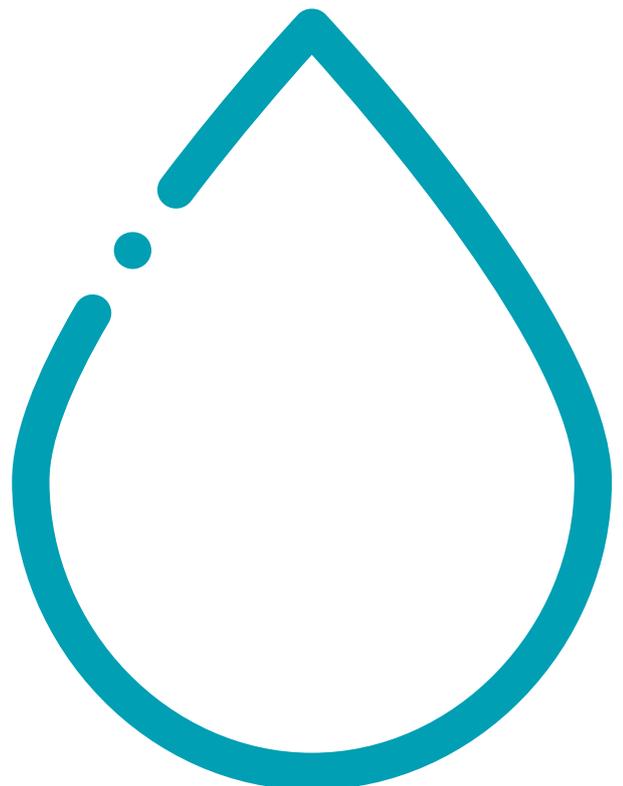
Used as a district meter, flowIQ® 3200 & 4200 can help reduce water loss. High measurement accuracy is key to establishing district metered areas with the intention of keeping a close eye on the water loss district for district.

Inaccurate metering can lead to under-estimation of the actual water being pumped into a district and hence give a wrong picture of the actual non-revenue water. Without accurate knowledge about what actually is going on, it is difficult to effectively bring down water loss to save money, energy and preserve our environmental resources.

## A meter that lasts

With over 30 years of experience and strict production, calibration and testing processes to secure a consistently high quality, our water meters are engineered to last. Our meters are simple and easy to install to make life as easy as possible for you.

The electronics enclosure is made of durable and robust composite and is mounted on flow parts made of stainless steel and the whole meter is fully watertight with IP68 rating.



## Technical specifications:

Feature	flowIQ® 3200	flowIQ® 4200
Flow rate in display	✓	✓
Consumption profile	✓	✓
Hourly log	✓	✓
Remote reading	Support for: <ul style="list-style-type: none"> <li>• Wireless M-Bus</li> <li>• linkIQ®</li> <li>• Serial data output for flowIQ® Gateway or for external pit antenna</li> <li>• Pulse output</li> </ul>	Support for: <ul style="list-style-type: none"> <li>• Wireless M-Bus</li> <li>• linkIQ®</li> <li>• Serial data output for flowIQ® Gateway</li> <li>• External supply from flowIQ® Gateway</li> </ul>
Intelligent alarms	<ul style="list-style-type: none"> <li>• Leak</li> <li>• Burst</li> <li>• Tamper</li> <li>• Dry</li> <li>• Reverse flow</li> <li>• Low battery</li> <li>• Low temperature</li> <li>• High temperature</li> <li>• No consumption</li> <li>• Max flow exceeded (<math>Q &gt; Q_4</math>)</li> </ul>	<ul style="list-style-type: none"> <li>• Tamper</li> <li>• Dry</li> <li>• Reverse flow</li> <li>• Low battery</li> <li>• Low temperature</li> <li>• High temperature</li> <li>• Max flow exceeded (<math>Q &gt; Q_4</math>)</li> </ul>
Display update	20 sec	20 sec. (possibility to reconfigure to 4 sec)
Measurement update	1 sec	1 sec
Water ingress protection	IP68	IP68
Size	6.3 - 100 m <sup>3</sup> /h / DN32-DN100	160 - 1000 m <sup>3</sup> /h / DN125-DN300
Start flow	5 L/hour	70 L/hour
Battery lifetime	Up to 20 years	Up to 20 years
Approved according to OIML R 49	R1000	R1000
Materials	Stainless steel, glassfibre-reinforced composite	Stainless steel with coated split flanges in cast iron and glassfibre-reinforced composite
Can be delivered with sample testing of meter accuracy	✓	✓

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