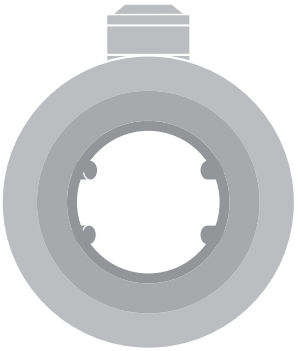
flowIQ® 3200 & 4200

kamstrup

District and commercial water metering

- Ultrasonic precision for up to 20 years
- Pinpoint accuracy across flow ranges
- Accurate billing of large consumers
- High quality and long lifetime
- Sizes range 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. With the same known high accuracy and long-term reliability, known from other Kamstrup products, but extended into a larger size range. Kamstrup operates an ISO 17025 accredited flow calibration laboratory to ensure the accuracy of our water meters. flowIQ® 3200 & 4200 offer high measurement accuracy through robust construction, material quality, craftmanship, calibration and testing of all meters.

flowIQ® 3200 & 4200 water meters enable you to establish district metering areas in your network. This is an effective way to monitor water loss and get a better overview across the distribution network.

Every single drop counts when it comes to accurate billing. Our flowIQ® 3200 & 4200 water meters measure consumption in commercial installations with pinpoint accuracy over their entire lifetime. This ensures fair billing for your customers and secures revenue for investing back into your network.

Ultra-precise metering

Based on the latest ultrasonic technology and more than 30 years of experience, flowIQ® 3200 & 4200 offers industry-leading accuracy and measures start flow down to 20 l/hour for DN50.

The meters are highly stable throughout the entire flow range with a very low error margin. Tamper-proof with no moving parts, flowIQ® 3200 & 4200 meters are less subject to wear and tear and this ensures a high and stable accuracy during their lifetime of up to 20 years.

flowIQ® 3200 & 4200 supports external communication and system integration through serial output, that allows for safe and easy remote reading. Furthermore flowIQ® 3200 has 2 transducers and flowIQ® 4200 has 4 transducers ensuring super accurate readings with low error margin and they can be powered via mains or through one or two lithium batteries, depending on the meter. flowIQ® 4200 enables easy replacement of the batteries and both meters can be submerged under water - even when powered via mains.

Reducing non-revenue water

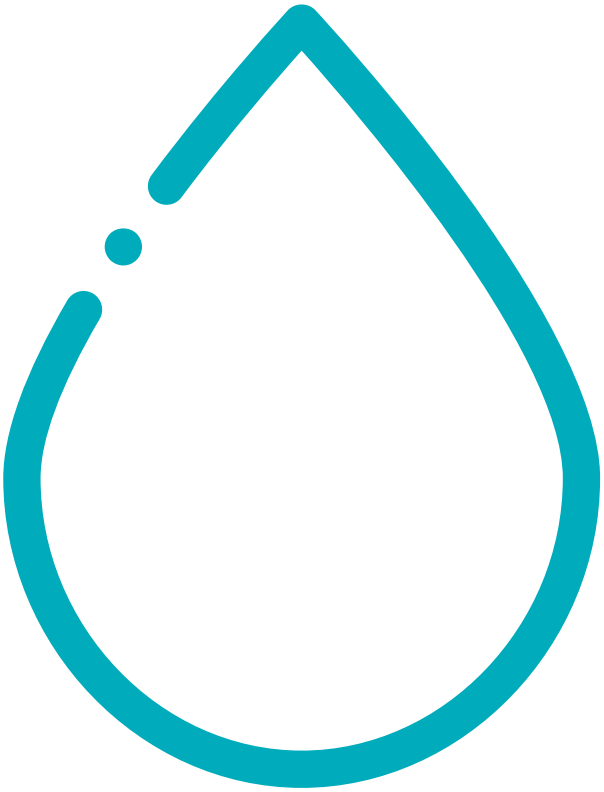
Used as a district meter, flowIQ® 3200 & 4200 can help reduce water loss. High measurement accuracy is key to establishing district metered areas with the intention of keeping a close eye on the water loss district for district.

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: • Wireless M-Bus • linkIQ® • Serial data output for flowIQ® Gateway or for external pit antenna • Pulse output	Support for: • Wireless M-Bus • linkIQ® • Serial data output for flowIQ® Gateway
Intelligent alarms	• Leak • Burst • Tamper • Dry • Reverse flow • Low battery • Low temperature • High temperature • No consumption • Max flow exceeded ($Q > Q_4$)	• Tamper • Dry • Reverse flow • Low battery • Low temperature • High temperature • Max flow exceeded ($Q > Q_4$)
Display update	20 s	20 s
Measurement update	1 s	1 s
Water ingress protection	IP68	IP68
Size	6.3 - 100 m^3/h / DN32-DN100	160 - 1000 m^3/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, glassfibre-reinforced composite
Can be delivered with sample testing of meter accuracy	✓	✓

FILE10000926_B_EN_06.2023

Mindmill AB
Näckrosgatan 6
464 32 Mellerud
+46 (0)31-758 3000
info@mindmill.se
mindmill.se

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