

flowIQ® 2100 & 3101 series Encoded Meter

kamstrup

Next generation Encoded Meter reading

- Proven ultrasonic technology
- Pinpoint accuracy and superior quality
- Leak detection and intelligent alarms
- Modular cable system
- UI-1203 protocol
- Touch Read Pit Lid (TRPL) interface






Theft



Inaccurate
mechanical meters



Leak detected

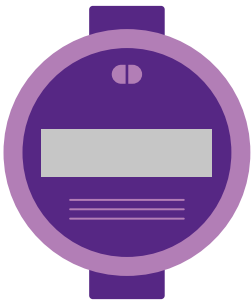
The ideal ultrasonic water meter

The flowIQ® 2100 & 3101 series Encoded Meter is a smart water meter based on the latest ultrasonic technology. The meter has no moving parts and maintains its accuracy throughout its entire lifetime of 20 years. The meter has industry leading accuracy that ensures even very low flows are measured down to the very last drop. This improves the quality of your data and helps you reduce non-revenue water.



flowIQ® 2100 & 3101 series Encoded Meter

- The reliable and flexible solution for water metering



Ultrasonic water meter

flowIQ® 2100 & 3101 series Encoded Meter ensures that the consumption of every single gallon of water is accurately registered and billed. Tamper-proof with no moving parts, flowIQ® 2100 & 3101 series Encoded Meter is resistant to typical wear and tear experienced by mechanical moving parts of nutating disk, piston, and multi-jet type meters. flowIQ® 2100 & 3101 series Encoded Meter reads and sustains ultra-low starting flows throughout its entire lifetime.



Smart and robust design

The vacuum sealing and IP68 packaging enables installation in meter pits with no risk of moisture intrusion and condensation. The flowIQ® 2100 & 3101 series Encoded Meter uses UI-1203 protocol and equipped with an auto detect TRPL interface so that no reprogramming is necessary. The meter is configurable to 4-9 reading digit output resolution and extended alarm data.

The modular cable system

The cables are field replaceable and interchangeable, as well as submersible and waterproof IP68 rated.

Available cables	Nicor	Itron	TRPL	3-wire flying lead
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Water metering without waste

Conservation is what it is all about. The environmental report, Carbon Footprint, documents the meter's high reusability and low environmental impact. Meter housing and measuring tube are made of 100 % lead-free composite or lead-free brass. Another key advantage of the flowIQ® 2100 & 3101 series Encoded Meter is leak, burst, and tamper detection. This is a significant driver to minimize the waste of water – a benefit for the environment and your economy.

Technical specifications

	flowIQ® 2100	flowIQ® 3101
Meter size	½" and ¾"	¾", 1", 1½", 2" and 3"
Start flow	0.015 GPM	As low as 0.04 GPM
Saturation flow rate	Up to 42 GPM	Up to 500 GPM
Environmental class	IP68, 0 to 100 % relative humidity. The meter is designed for indoor and outdoor operation, including fully submerged installations	
LCD register display	Nine digit display with up to 3 decimals in Gallons, Ft ³ or m ³	
Battery	3.65 VDC, 1 C cell lithium, supports extended data set	
Communication	Encoded output UI-1203 communication protocol with extended alarms	
Meter housing and flow part	Depending on flowIQ model and size, meter will be either 100 % ecofriendly composite PPS, lead free brass or stainless steel.	

Think forward

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