

HONEYWELL'S ELECTROMAGNETIC WATER METER EXCELS IN THE MIDDLE EAST

Offering high performance, durability and low lifetime cost.

Case Study

PERRY SHEAD, CUSTOMER MARKETING

“The Q4000 electromagnetic water meter provides accurate usage data in real-time and provides greater control over water leakage, which enables Middle East utilities to better manage their water resources. In addition, the Q4000 replaceable battery pack version extends meter life potentially for up to 20 years.”



Honeywell

OVERVIEW

The Middle East is a region where natural water resources are often limited, so accurate measurement and effective management of every drop is essential. The conditions and climate in the Middle East can be hostile. The high temperatures make huge demands on the battery of the water meter and the sand can be extremely corrosive.

THE NEEDS

Faced with the challenges of effective water management and demanding environment, utilities need a water meter that can withstand the test of time and conditions to continue to perform and be durable.

THE SOLUTION

Featuring high quality design and engineering, Honeywell's Q4000 electromagnetic water meter is built for maintaining highly accurate performance and lasting durability in demanding environments.

It uses electromagnetic measuring principles to calculate the volume of fluid that passes through the flow tube and its sampling rate is fast at all times – ensuring water is

measured accurately, even at low flow rates.

Constructed from highly durable stainless steel with no moving parts, the Q4000 has anti-corrosive electrodes that ensure ongoing accurate metrology. It is hermetically sealed to eliminate the risk of corrosion and water damage to electronics – and utilities can expect a meter life that far exceeds the usual 10 years.

The Q4000 replaceable battery version allows utilities to extend the meter life through changing the battery power pack in the field at the end of the meter's life. Just one battery change extends meter life potentially for up to 20 years.

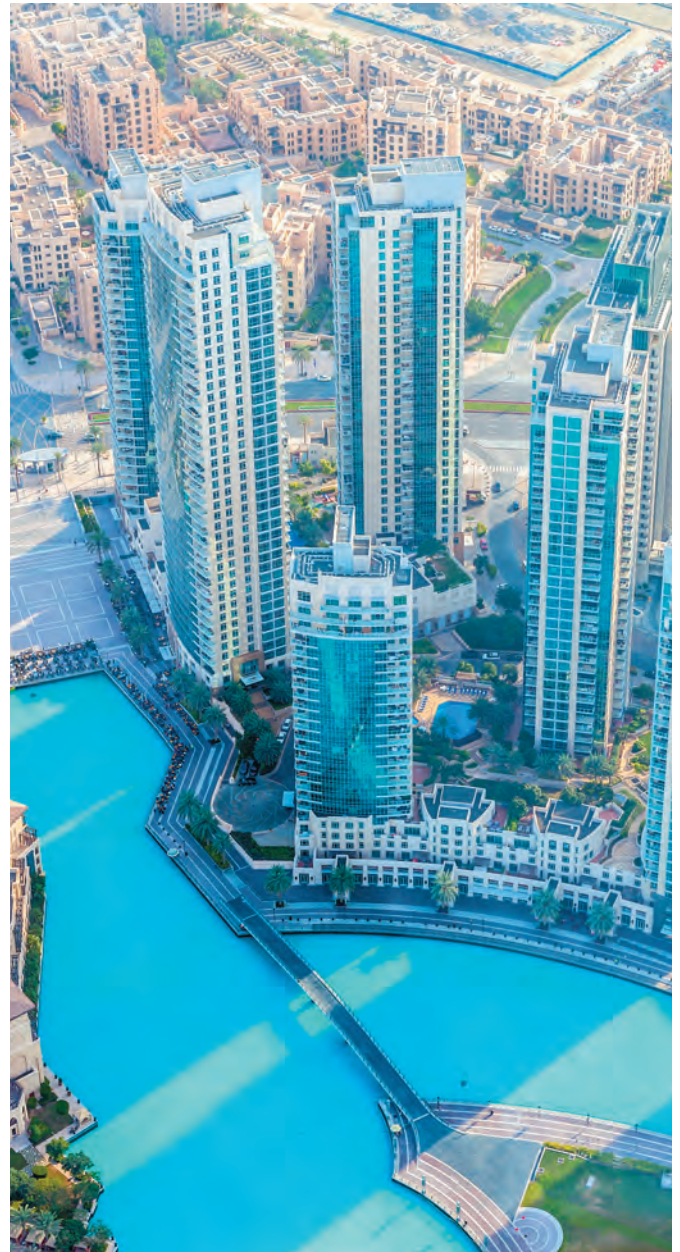


THE BENEFITS

- The Q4000 from Honeywell Smart Energy is a high performing electromagnetic water meter.
- Featuring a fast continuous sampling rate, the Q4000 provides highly accurate and reliable water consumption data.
- An unrestricted flow tube ensures minimal pressure loss, even at the highest flow rates, resulting in reduced pumping costs and system leakage.
- It is easy to fit and there is no need for earthing rings, so installation costs are lower.
- An easy-to-read display with remote reading options keep utilities informed and in control.
- It connects easily and reliably to all standard critical data systems.
- Advanced connectivity with multiple pulse options.
- M-bus output option for enhanced data transmission includes leak and burst alarms, reverse/zero flow, monthly readings and peak values to enable superior network management.
- A threaded version (DN50) for ease of installation in meter boxes and other spaces with limited locations.
- Utilities benefit from low operating costs, long life, zero maintenance and no need for calibration.



The Q4000 with replaceable battery pack extends meter life potentially for up to 20 years.



For more information

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