

HONEYWELL'S ELECTROMAGNETIC WATER METER OFFERS HIGH PERFORMANCE

Delivering high-accuracy, reliability and low lifetime cost in a unique environment

“Van Kessel Bronbemaling (dewatering) have been using the Q4000 electromagnetic meter for 8 years with complete satisfaction. The meter is accurate and reliable at both high and low flow rates. Its 10-year continuous battery life and no calibration means zero maintenance following installation.”

Jan Pellegrom, General Supervisor of Van Kessel Bronbemaling (dewatering).

Case Study



The Netherlands is a region with its own unique challenges because about one third of the country lies below sea level, with the lowest point being 22 feet (6.7 meters) below sea level.

The Needs

Van Kessel Bronbemaling (dewatering) provides high-quality drainage work on major projects. The Netherlands has its own unique challenges being below sea level. Safety is therefore paramount when working in this environment. To maintain a safe environment, construction pits have advanced drainage systems, whereby the drainage is monitored and controlled in real-time. Any problems are reported and resolved immediately to ensure safety is maximised.

Faced with the demands of effective water management and challenging environment in the Netherlands, Van Kessel Bronbemaling (dewatering) require a robust water meter that can deliver high-accuracy measurement and durability over the lifetime of the meter.

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.

With an unrestricted flow tube, a 10-year battery life and an innovative flangeless design, the Q4000 offers unrivalled performance for an electromagnetic water meter. Delivering consistent accuracy over a wide flow-rate measuring range, the meter can be adapted to suit either predominantly high or low flow rates, and is ideal for a wide variety of bulk flow metering applications.



About Van Kessel Bronbemaling

Van Kessel Bronbemaling, a royal VolkerWessels company, provide high-quality drainage work on major projects in the Netherlands.



The Q4000 electromagnetic water meter is built for maintaining highly accurate performance and lasting durability in demanding environments.

The Benefits

The Q4000 from Honeywell Smart Energy is a high-performing electromagnetic meter.

- It has a fast continuous sampling rate, providing highly accurate and reliable measurement.
- The Q4000's extremely tough stainless steel construction ensures a long working life, while its lightweight body makes storage, transportation and installation both simpler and safer.
- With an unrestricted flow tube the Q4000 ensures minimal pressure loss, even at the highest flow rates, resulting in reduced pumping costs and system leakage.
- "The Q4000 meters can be equipped with a Modbus connection enabling remote reading within our drainage monitoring system."
Jan Pellegrom
- With the Q4000's 10-year continuous battery life and no need for calibration, expensive regular maintenance is a thing of the past. "Because source drainage systems are scattered throughout the Netherlands and sometimes outside the country, an unscheduled maintenance visit to the meter location would be very expensive."
Jan Pellegrom
- "Before we switched to the Honeywell Q4000 meter, we tested other electromagnetic flow meters under various conditions. The Q4000 performed the best." *Jan Pellegrom*

For more information

www.elstermetering.com

Elster Water Metering Ltd

130 Camford Way
Sundon Park, Luton
Bedfordshire, LU3 3AN
United Kingdom
T +44 1582 846400
F +44 1582 564728
water.metering@elster.com

© 2019 by Honeywell International Inc.
All rights reserved.

The company's policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice. These products have been manufactured with current technology and in accordance with the applicable referenced standards.

Rev. 1. Van Kessel Case Study 04/19
Lit Ref: 8519B93232

Honeywell