Q4000

Accurate, reliable and a 10-year battery life
Q4000 bulk range of electromagnetic water meters

Q4000 electromagnetic water meters

Today, accuracy and versatility are more important than ever in a metering solution. Which is why you'll want to know about the Q4000 water meter.

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, such as network management, leakage monitoring and commercial billing.

System options

1. Display only
Simple visual read meter only with no pulse output communications. Can be upgraded in-the-field to either option 2 or option 3.

2. Pulse output meter
As above with the addition of a pulse output transmitter for connection to ancillary devices including AMR and data loggers.

3. Meter and remote display
As option 1 with the addition of a remote display unit (pictured right) connected electronically to the meter. The remote display features two pulse output channels.

Simple installation

Installation of the Q4000 is simple. Its innovative flangeless design ensures it can be fitted to all common pipe flanges without adaptation.

'Wafer style' installation is straightforward for both new and replacement meters, and every unit is available complete with its own installation kit. The meter needs no calibration or commissioning during fitting – or through its entire life.

Reliable connectivity

With bi-directional pulse outputs, the Q4000 provides dependable connectivity to critical water management and billing systems, including AMR and data logging devices.

Accurate measurement

The Q4000 has a sampling rate of just 0.5 seconds, so you can be confident of accurate and reliable measurement. It also features anti-corrosive electrodes to ensure consistently accurate performance throughout its entire life.

Zero maintenance

Expensive regular maintenance is a thing of the past, with the Q4000's 10-year continuous battery life and no need for calibration.

Durability

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. An IP68 rating guarantees protection of internal electronics and long-term reliability.

Real-time data

A large, bright and easy-to-read LCD, showing volume and instantaneous flow rate, is perfect for real-time network control and water management. The Q4000 also has alarm functions providing in situ status, to ensure no loss in measuring continuity.

Easy access

The Q4000's (optional) remote display unit offers a clear LCD for simpler access in hard-to-read applications. The unit also includes two pulse outputs for connection to ancillary devices.

Low pressure loss

An unrestricted flow tube ensures minimal pressure loss, even at the highest flow rates. This means that network system pressures can be reduced, helping to prevent leakage from burst pipes.

Display functions

Volume – An integrating value displays the net volume of water measured.

Flow rate – If water is flowing in the reverse direction a minus sign is displayed to the left of the values.

Low-battery – The indicator will appear when the battery voltage is low and the meter should be replaced.

No-water – The indicator will blink when there is an empty pipe or no water in the meter.

For more information

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