PrimeFlo3

Rugged ultrasonic flowmeter with 3G/GPRS communications for long term monitoring applications

PrimeFlo3 is designed for long term installation on water networks where permanent flowmeters are not available. Remote communications provide on-line data availability for improved water network management.

Benefits

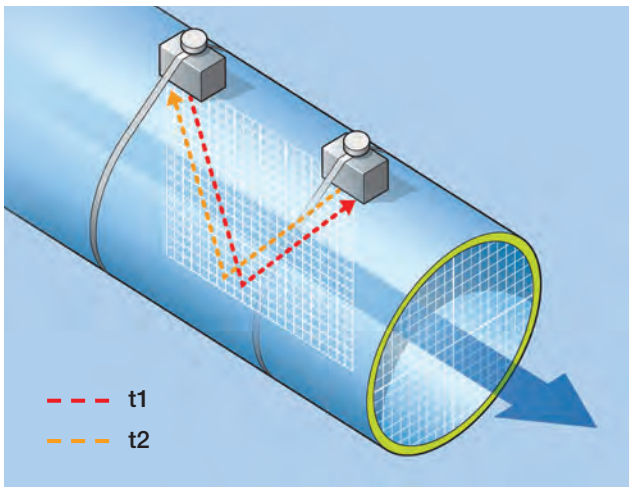
- **Non-invasive flow measurement on pipe sizes 25 - 2500mm (one pair of sensors only)**
- **Remote communications via 3G or GPRS**
- **On-line data availability via PrimeWeb**
- **Rechargeable battery, 6 months life (under defined conditions)**
- **Integral pressure measurement**
- **Waterproof; sensors IP68 and processor IP67 (with lid closed)**

Applications

- **Leak detection**
- **Minimum night flow measurement**
- **Network flow and pressure surveys**
- **Measurement of user consumption profiles**
- **Step testing**
- **Verification of existing fixed meter performance**

Transit time technology

This uses the principle that ultrasonic waves travelling in the direction of water flow (t1) move faster than those travelling against the water flow (t2). The resultant difference in transit time is directly proportional to the flow velocity. The volume flow rate is then determined from the internal cross sectional area of the pipe. The PrimeFlo3 is supplied for measurements on all types of metal, concrete and plastic pipes.



Primayer

technology for network management and leakage control

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Online data availability at any location

Unlimited access to data is available via the PrimeWeb high security, on-line, platform. This provides all flow, daily volume and pressure data to observe changes in network conditions, water usage, nightlines, etc. *PrimeFlo3* positions can be displayed via Google Maps.*

Long term battery operation

The *PrimeFlo3* has a rechargeable battery that gives six months operation under defined conditions. With an external battery pack this can be extended to two years operation.

PrimeWeb

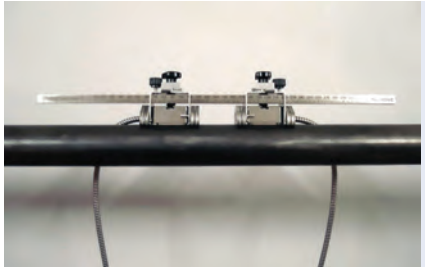
*Network hydraulic data available on Google Maps**

Reduced installation time and costs

The *PrimeFlo3* is a non-invasive flowmeter which eliminates the need to enter the pipe or interrupt the water supply giving the following advantages;

- no head loss
- no water contact
- no contamination
- no process shutdown

When a flow meter is required in the water network the significant costs relate to the installation activity such as chamber building cost, pipe cutting and supply interruption. The installation costs are very much reduced by using the *PrimeFlo3* non-invasive technology. This results in simple, cost effective, installation and thus the opportunity to have increased network measurement points.



Mounting fixture, rail and magnets, DN50 to DN2500

Products

PrimeFlo3 with 3G / GPRS communications	**RXG 703**
PrimeFlo3 with 3G (USA) communications	**RXG 704**
Integral pipe wall thickness gauge (for all PrimeFlo3 versions above)	add **/G** to code above
Accessories	
PrimeFlo3 external battery pack	**RXG 687**
Mounting fixture, rail and magnets, DN50 to DN2500	**RXG 706**
Pipe wall thickness gauge – separate unit	**RXG 707**

*Google Maps is a registered trade mark of Google Inc.

Primayer

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