

PrimeProbe2

SMART

Electromagnetic insertion flowmeter

PrimeProbe2 is a bi-directional insertion flowmeter for use in managing water distribution systems. It has no moving parts making it reliable and ideal for use over a wide range of flows and pipe diameters.

PrimeProbe2 offers the following features:

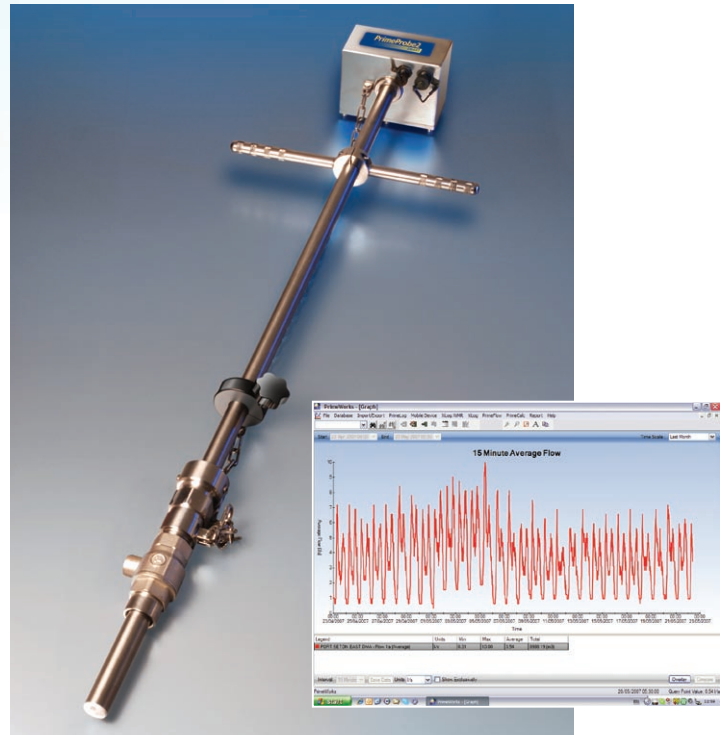
- Accurate over wide flow range
- Cost effective for monitoring within DMA's
- Measures flow in low conductivity water
- Simple installation:
 - hot-tap into pressurised pipe
 - often no excavation required
 - easy set-up with SMART mode
 - easily moved to another site
- Rugged and reliable - no moving parts
- Long battery life
- Data collection options via GPRS and SMS
- Velocity profile software for optimal positioning

SMART mode

Optimum performance whilst maximising battery life

SMART mode operation automatically adjusts the number of measurements taken when variation of flow-rate occurs. This gives more accurate results when the flow-rate is changing rapidly and also preserves battery life when the flow-rate is stable.

Makes probe set up very easy - just program into SMART mode.



Applications

- Network management
- Flow surveys
- Minimum night flow for leakage control
- Checking in-situ flowmeters



 **Primayer**

technology for network mannd leakage control

www.primayer.nt-rt.ru

Primayer

Flexible data collection

PrimeProbe2 is available with a choice of six insertion lengths; 150mm, 300mm, 500mm, 700mm, 1000mm and 2000mm. It is fitted with a quick release pressure fitting for optional pressure measurement.

PrimeProbe2 has an integral converter for ease of installation, is fully submersible to IP68 and is powered from internal batteries with long life (dependant upon sampling regime and usage pattern). Programming is carried out via USB connection to a computer.

PrimeProbe2 provides a pulsed output which may be connected to Primayer's data loggers for local and remote data collection. Logged flow and pressure data is transferred to *PrimeWorks*, providing extensive graphing, reporting, export, and database facilities.

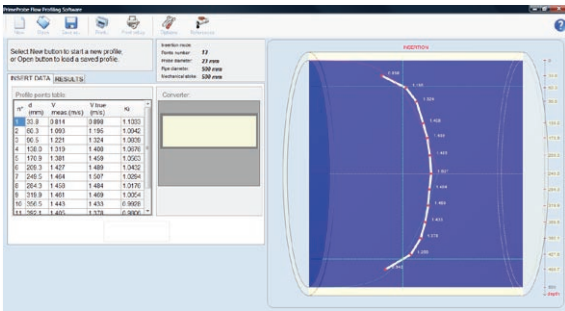
Performance

PrimeProbe2 is a rugged device offering the highest specification. The sensor is a special design with the electrodes mounted on the bottom of the sensor tip. This improves the performance at very low flows because the electrodes are positioned where turbulent flow is at the minimum.

Furthermore, *PrimeProbe2* is able to operate in water with conductivity down to 5 μ Siemens/cm. This means that it can operate in pure water areas such as often found in mountainous regions, etc.

Flow Profiling Software

This software plots the velocity profile across the pipe to enhance conversion of point velocity measurement to flowrate.



PrimeProbe2 system

Part Numbers

Primeprobe2: length 150mm	RXG 818
PrimeProbe2: length 300mm	RXG 810
PrimeProbe2: length 500mm	RXG 811
PrimeProbe2: length 700mm	RXG 812
PrimeProbe2: length 1000mm	RXG 813
PrimeProbe2: length 2000mm	RXG 829
PrimeProbe2: USB communications cable	RXG 820
PrimeProbe2: output cable to to PrimeLog / XiLog logger	RXG 921
Gauging Rod - 25mm BSP connection: length 500mm	TXG 101/3
Gauging Rod - 25mm BSP connection: length 1000mm	TXG 101/6
System: 150mm probe + gauging rod + PrimeLog 2i + cables + hose + case	RXG 837
System: 300mm probe + gauging rod + PrimeLog 2i + cables + hose + case	RXG 834
System: 500mm probe + gauging rod + PrimeLog 2i + cables + hose + case	RXG 835
System: 700mm probe + gauging rod + PrimeLog 2i + cables + hose + case	RXG 836
Flow Profiling software	RXS 880