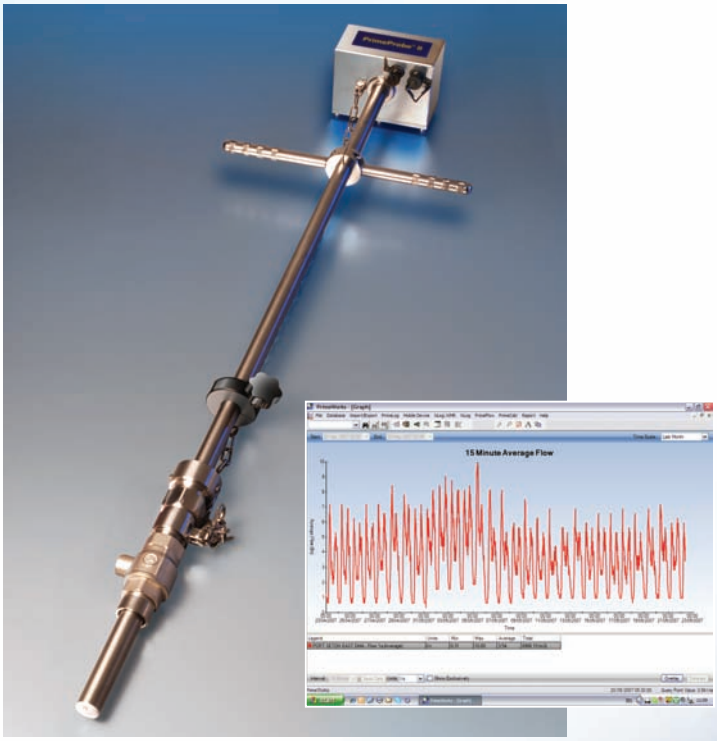
PrimeProbe®2

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. PrimeProbe is suitable for use in pipe sizes from 80mm to 2000mm.**



PrimeProbe2 offers the following features:

- **High accuracy and repeatability**
- **Wide range of bi-directional flow measurement**
- **Use in water with low conductivity**
- **Reliable, maintenance free operation**
- **Installation carried out without disruption to water supply**
- **Battery life up to 3 years (dependant upon sampling period and usage pattern)**
- **Data capture and reporting via all Primayer data loggers**

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 5µSiemens/cm. This means that it can operate in pure water areas such as often found in mountainous regions, etc.

Applications

- Water network management
- Leakage control
- District metering
- Flow surveys
- Flow profiling
- Checking in-situ flowmeters

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Flexible data collection

PrimeProbe2 is available with a choice of five insertion lengths; 300mm, 500mm, 700mm, 1000mm and 2000mm. It is fitted with a quick release pressure fitting for optional pressure measurement. *PrimeProbe2* is one instrument and has an integral converter for ease of installation. It is fully submersible to IP68 and is powered from internal batteries for a period of up to 3 years (dependant upon sampling regime and usage pattern). Programming is carried out via USB connection to a computer.

PrimeProbe2 system

The flowmeter provides a pulsed signal output which may be connected to the full range of Primayer data loggers for local and remote data collection. Logged flow and pressure data is transferred to ***PrimeWorks***, Primayer's comprehensive data management software. *PrimeWorks* provides extensive graphing, reporting, export, statistics and database facilities.

Easy programming

Programming is carried out via the *PrimeWorks* software. In *Basic* mode only the following parameters are needed:

- Pipe diameter
- Position of probe

Part Numbers

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**
Transport case: 300mm insertion length probe	**RXG 822**
Transport case: 500mm insertion length probe	**RXG 823**
Transport case: 700mm insertion length probe	**RXG 827**
PrimeProbe2 system: 300mm probe + gauging rod + PrimeLog 2i + cables (x3) + flexihose + transport case	**RXG 834**
PrimeProbe2 system: 500mm probe + gauging rod + PrimeLog 2i + cables (x3) + flexihose + transport case	**RXG 835**
PrimeProbe2 system: 700mm probe + gauging rod + PrimeLog 2i + cables (x3) + flexihose + transport case	**RXG 836**

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