

# PrimeProbe<sup>®</sup>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 velocity measurement
- Use in water with low conductivity
- Reliable, maintenance free operation
- Easy installation carried out without disruption to water supply
- Choice of integral or remote converter
- Battery life up to 5 years (under defined conditions)
- Data capture and reporting via all Primayer data loggers

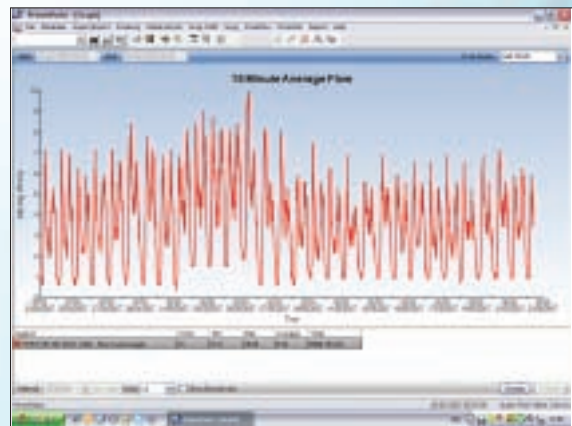
## Performance

*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 5 $\mu$ Siemens/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 four insertion lengths; 300mm, 500mm, 700mm and 1000mm. It is fitted with a quick release pressure fitting for optional pressure measurement when used in conjunction with a *PrimeLog*, *XiLog* or *XiLog.wmr* loggers.

The flowmeter provides a pulsed signal output which may be connected to *PrimeLog* for local data collection or to a *XiLog* logger for remote data collection via SMS. 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.

### *PrimeProbe2* is available in two versions:

**The Compact version** 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 ten years (dependant upon sampling regime). Programming is carried out via USB connection to a computer.

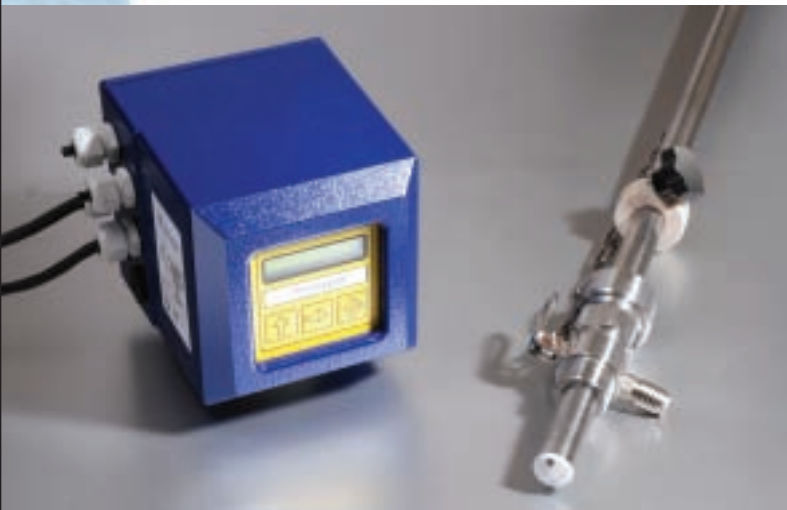
**The Remote version** has a separate converter which incorporates a display and keypad which may be used for programming. This version has internal batteries or can be optionally mains powered without the need for a different converter. The sensor is fully submersible to IP68 and the converter is specified to IP67.



Compact version shown with *XiLog* sms data logger

### Part Numbers

PrimeProbe2 Compact: length 300mm	RXG 810
PrimeProbe2 Compact: length 500mm	RXG 811
PrimeProbe2 Compact: length 700mm	RXG 812
PrimeProbe2 Compact: length 1000mm	RXG 813
PrimeProbe2 Remote (sensor + converter): length 300mm: cable length 5m	RXG 814
PrimeProbe2 Remote (sensor + converter): length 500mm: cable length 5m	RXG 815
PrimeProbe2 Remote (sensor + converter): length 700mm: cable length 5m	RXG 816
PrimeProbe2 Remote (sensor + converter): length 1000mm: cable length 5m	RXG 817
PrimeProbe2 Compact: communications cable	RXG 820
PrimeProbe2 Remote: communications cable	RXG 821
PrimeProbe2 Compact: output cable to PrimeLog / XiLog logger	RXG 921
PrimeProbe2 Remote: output cable to PrimeLog / XiLog logger	RXG 825
Gauging Rod - 25mm BSP connection: length 500mm	TXG 101/3
Gauging Rod - 25mm BSP connection: length 1000mm	TXG 101/6



Remote version has separate converter unit with display keypad

### Primayer Limited