PrimeFlo-T

Compact transit-time flowmeter

***PrimeFlo-T* is a hand-held correlation transit-time ultrasonic flowmeter utilising dual DSP technology. For use in clean and waste water applications it is easy to install providing a cost effective solution for network flow-survey applications.**



Benefits

- **Operation on pipe sizes from 25 – 2500mm (one pair of sensors)**
- **Non-invasive, providing;**
  - **no flow disturbance**
  - **no pressure loss**
  - **no process interruption**
  - **no water contact**
- **Survey application - 24 hour battery life**
- **Easy set-up and installation**
- **Integral data logger**



Features

- Lightweight and easy to use for survey applications
- Real-time display of bi-directional flow-rate and total flow
- Accuracy for (mean) flow velocity to ±0.5% of measured value
- Repeatability; 0.15% (±0.015m/s)
- Integral data logger data transfer to PC

Application

PrimeFlo-T utilises advanced digital processing to meet the practical needs of engineers for measuring flow-rates and total flow at multiple points on water networks.

Applications include:

- Water network management
- Minimum flow measurement
- Flow surveys
- Pump flow control
- In-situ meter validation

Programming is user-friendly via the integral keypad and display. *PrimeFlo-T* has an operational life of 24 hours which makes it suitable for temporary flow monitoring. It may be powered from mains or an internal rechargeable battery. Cables and sensors are protected to IP66.

technology for network management and leakage control

Primayer

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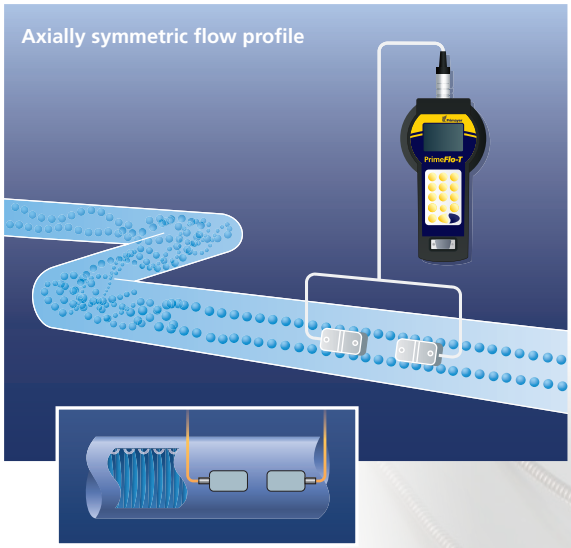
Description

PrimeFlo-T operates on the transit-time principle that sound waves travelling with the water flow will move faster than those travelling against the flow. The resulting difference in transit time is directly proportional to the flow velocity. The ultrasonic sensors, attached to the external surface of the pipe wall, are used to generate and receive pulses. The flowmeter compensates for changes in the flow profile and water temperature to produce accurate results.



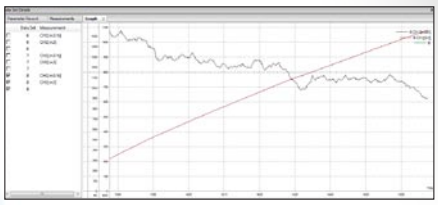
PrimeFlo-T system

PrimeFlo-T is supplied complete and ready for measurements on all types of metal and plastic pipes. It is supplied with transducers suitable for use on pipe diameters 25mm to 2500mm – with one pair of sensors. The system includes 5 metre sensor cables, pipe-clamping fixtures, ultrasonic coupling gel, measuring tape and PC communications cable.



Correct positioning of the sensors is crucial to collect accurate data





Logged flowrate and total flow data



Part Numbers

PrimeFlo-T ultrasonic flowmeter (pipe diameters: 25 – 2500mm)	RXG 845
Ultrasonic thickness gauge	RXG 851

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Information in this document is subject to change without notice.

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