



## Flexible flow measurement solutions

Flow metering solutions are offered for surveying and permanent installation on pressurised water distribution networks. They are based upon electromagnetic insertion and ultrasonic flow technologies.

### PRIMEFLO-T

Hand-held transit-time ultrasonic flowmeter using dual DSP technology.



### PRIMEPROBE

Bi-directional, insertion, full bore, electromagnetic flowmeter for permanent or portable use.



#### FEATURES & BENEFITS AT A GLANCE:



##### Ultrasonic meter for flow surveys

- Monitor network supply, pumps and meters



##### Measure flow on all common pipes

- Monitor flows across the whole network



##### Non-invasive sensors

- No drop in pressure, no interruption to supply and no contact with water



##### Integral data logger

- Easy to set up



##### 24 hour battery life

- No need to change the battery during survey



##### Variable length insertion probes

- Measure flow on all common pipes with no interruption to supply



##### Measure a wide range of flow rates

- Range between 20mm/s to 5m/s
- Use throughout the network



##### Long battery life up to 10 years

- Low cost of maintenance



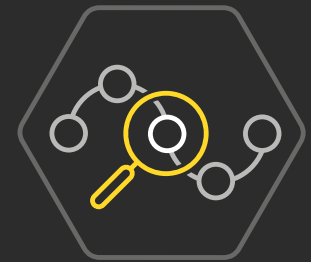
##### Rugged - can operate at up to 25 Bar

- Can monitor networks including pumps in extreme conditions



##### Flexible data logging

- Able to connect remotely to PrimeWeb or SCADA systems via connection to Xilog
- Enables sophisticated convenient data analysis in real time or delayed



FLOW METERS



WATER



OUR SOLUTIONS | MONITORING & CONTROL | FLOW METERS

OVARRO



#### MEASUREMENT

Measurement principle	Ultrasonic transit time difference
Flow velocity range	0.01 ...25m/s
Resolution	0.25 mm/s
Repeatability	0.15% of measured value, $\pm 0.015$ m/s
Accuracy; Volume Flow	$\pm 1...3\%$ of measured value depending on application
Flow velocity (mean)	$\pm 0.5\%$ of measured value
Turn down ratio	1/100 (equivalent to 0.25...25 m/s)
Measurement rate	100 Hz (standard)
Response time	1 second

#### PROCESSOR

Protection	IP65
Operating temperature	-10 to +60 °C
Display	LCD, 128 x 64 dots, backlit
Power supply	Rechargeable batteries 4 x NiMH AA 2850mAh Power adaptor; 100 – 240V AC input, 9V DC output
Operating time	Up to 24 hours with full battery charge
Dimensions	H 228 x W 72/117 x D 47 mm
Weight	Approx. 650 grams

#### SENSOR

Pipe diameter range	50 – 2500mm
Sensor head dimensions	60 x 30 x 34mm
Sensor head and cable conduit material	Stainless steel
Temperature range	-30 to +130 °C
Protection	IP66
Cable length	4m