PrimeFlo3 Technical specification

Features

- Rechargeable battery – 6 months life (under defined conditions)
- Operation on pipe sizes 25 – 2500mm (one pair of sensors)
- Non-invasive sensors
- 3G/GPRS communications with on-line data via PrimeWeb
- Integral pressure measurement
- Step testing mode



Specification

Flow 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, ±0.015 m/s
Accuracy; Volume Flow Flow velocity (mean)	±1…3% of measured value depending on application ±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

Pressure measurement	
Pressure range	0 – 20 Bar
Accuracy	±0.1% (of full scale)

Communications	
Transmission options	3G / GPRS (3G for USA option available)
Transmission frequency	Every 15 minutes to once per week
SIM type	Embedded SIM supplied by Primayer
Logging interval	1 second – 24 hours

Processor Unit	
Protection	IP67 with lid closed
Operating temperature	-10 to +60 °C
Display	LCD, 128 x 64 dots, backlit
Internal battery supply	Rechargeable sealed lead acid, 24Ahr
Operating time (calculated at 10 minute logging and once per day data transmission)	Six months from full battery charge Two years with optional external battery
Dimensions	H 175 x W 245 x L 305 mm
Weight	7 kg

Sensors	
Pipe diameter range	25 – 2500mm
Sensor head dimensions	60 x 30 x 34mm
Sensor head and cable conduit material	Stainless steel
Temperature range	-30 to +130 °C
Protection	IP67
Cable length	4 metre
Sensor + ancillaries case - dimensions - weight	H 125 x W 275 x L 325 mm 3.7 kg

Primayer Limited
Primayer House, Parklands Business Park
Denmead, Hampshire PO7 6XP, United Kingdom
T +44 (0)2392 252228 **F** +44 (0)2392 252235
E sales@primayer.com
www.primayer.com