



**“A RANGE OF NEW GENERATION  
DATA LOGGERS FULLFILLING THE  
DEMAND FOR AN ACCURATE AND  
RELIABLE LOGGER WITH EXCELLENT  
LOCAL SUPPORT.”**

## **Feature Summary**

- 2 x Pulse input channels
  - Separate or combined volumes of one or two meters
  - Understands Elster PR7 Pulse unit bi-directional flow logic
  - 1 x bi-directional meter or 2 x uni-directional meter logging
  - Flow Rate logging
- Internal Pressure transducer (optional)
  - UltraStable®
  - 20 Bar
- 4-20mA Analogue Input with external power source
- Event capture using Min & Max feature
- Large 4Mb memory capacity
- Upgradable firmware
- Quick NZ battery replacement service
- Omni2 for Windows® included
- IP67 1m/24hr
  
- **Options include**
- LCD display
  - Logger state, Flow rate, Volume, Pressure & History

Designed and built in New Zealand these loggers are the perfect tool to allow councils, consultants, industry and agricultural sectors to collect vital information on the status of their reticulation systems and networks

## SPECIFICATIONS

### External Inputs

2 x pulse input channels max 100Hz

Uni-directional

- 1 or 2 separate meters
- 1 and tamper detection
- 1 + 2 combination meters

Bi-directional

- 1 - 2
- Fwd/Rev Pulse or Pulse/Direction flag (low = reverse flow)

1 x pressure input channel, internal

- 20 Bar standard
- 6.6 Bar optional and others on request
- 0.5% accuracy FSR

1 x 4-20mA using external power source

### System Inputs

Temperature (internal)  
Logger battery voltage

### Memory

4Mb in 32bit format  
220,000 records for single input  
155,000 records each for three channels

### Logging Period

1 second to 24 hours in preset steps

### Logging Style

Start now  
Start Midnight  
Start date/time  
Start on event  
Stop date/time  
Stop on event



### Logger Battery

2 x AA 3.6v Lithium, recommend return to ADR for replacement.  
Estimated life of up to 5 years for non-LCD, up to 3 years for LCD.

Actual battery life will depend on logging period plus what channels and options are enabled.

### Software

Omni2 for Windows® XP, Vista, 7 & 8  
Reporting and graphing  
Export data to Excel or Text CSV file if Excel not installed

### Environmental

Storage -10 to +70°C  
Operating -10 to +70°C  
IP67 1m/24hr  
Logger 135mm W x 82mm H x 40mm D  
Modem 120mm W x 100mm H x 40mm D

### Display Option

Current Flow and Pressure with total volume  
Historical Max/Min Flow and Pressure with daily volumes  
Low Battery alarm & user set condition alarm state  
Logger running state & number of samples collected  
Minimum pulse interval of <30 seconds required for flow display  
Maximum pulse rate for flow display 50Hz

Low Batt	Running	Stopped	Waiting
Total: Today	Flow	Volume	Alarm
Max: Yesterday	Pressure	Time	Samples
Min: 2 Days ago			
	Bar	KPa	PSI
	Meters		
	Ltr/Sec	M <sup>3</sup> /Hr	