

Water Study Flowmeters

High output pulse flowmeters - ideal for precision water measurement applications including residential water usage studies, data logging and flowrate calculation.

- ☺ High rate of contact-closure output pulses* ideal for precision data logging.
- ☺ Can measure to low flowrates.

Used by leading Water Authorities in Australia, NZ and overseas.

* Itron TD8 flowmeters, specially modified with pulse output by ManuFlo technology.



CT5-S15*

- 15mm hot water flowmeter. To 90 °C.
- 120 pulses/Litre Reed Switch pulse output.
- Shows total Litres on mechanical non-resettable display.
- Flowrange @ $\pm 1.5\%$ accuracy: 0.25 - 40 Litres/min.
- Rotary piston measurement principle.
- Dual check valve option.
- $\frac{1}{2}$ " BSP (male) couplings.



CT5-S20*

- 20mm domestic water flowmeter. To 50 °C.
- 72 pulses/Litre Reed Switch pulse output.
- Shows total Litres on mechanical non-resettable display.
- Flowrange @ $\pm 2\%$ accuracy: 0.5 - 80 Litres/min.
- Rotary piston measurement principle.
- Dual check valve option.
- Gasket Seat $\frac{3}{4}$ " BSP (male) couplings, or Ball Seat $\frac{3}{4}$ " BSP (female) couplings for NSW, or as manifold flowmeter for Brisbane Water.



CT5-S25*

- 25mm domestic water flowmeter. To 50 °C.
- Shows total Litres on mechanical non-resettable display.
- 36 pulses/Litre Reed Switch pulse output.
- Flowrange @ $\pm 2\%$ accuracy: 0.7 - 116 Litres/min.
- Rotary piston measurement principle.
- Dual check valve option.
- Gasket Seat 1" BSP (male) couplings or Ball Seat 1" BSP (female) couplings.



MES-MR range*

- sizes: 20, 25, 32, 40 and 50mm. To 50 °C.
- Reed Switch pulse output:
60.6 (20mm) to 3.9 (50mm) pulses/Litre.
- running (non-resettable) mechanical totaliser.
- series flowrange @ $\pm 1.5\%$ accuracy: 1.5 - 600 Litres/min.
- connection ends:
 - sizes 20 - 32mm: BSP(male) threaded.
 - sizes 40 & 50mm: flanged.

ManuFlo™ ®
Flow Measurement Products

Email: sales@manuelectronics.com.au
Web: www.manuelectronics.com.au

Itron

See all ManuFlo datasheets at http://www.manuelectronics.com.au/data_sheets.html

Water Study

Data Loggers & Software



DATACELL D

- **Compact data logger**, for industrial and commercial logging applications.
- IP67 enclosure. Waterproof to 1 metre.
- Powered by long-life Lithium battery pack.
- Stores 2 million records.
- Counts up to 100 pulses per second.
- 4 programmable inputs.

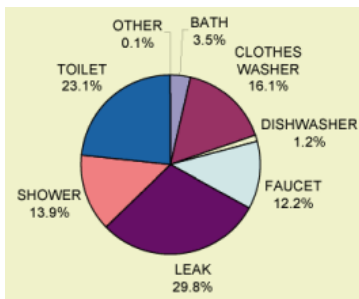


DataCell Rtx

- **Advanced Data Logger**, for industrial use.
- IP68 waterproof enclosure.
- Powered by long-life Lithium batteries (10 year life at 1 call/day).
- Stores 2 million records. 4 programmable inputs.
- Counts up to 100 pulses per second.
- Delivers information locally and via GSM and GPRS
- SMS and e-mail data collection.
- 2-way communications - enabling you to manage from your desktop.
- Continuous internal clock management.

CZ21042

Accessories: Infra-red cable, swipe magnet and spanner



TraceWizard Software

- Analyses data logs to find out where and how water is used e.g. Shower, toilet flush, dishwasher, etc.

Water End Use Studies:

- Gold Coast Domestic Water End Use Study
<http://www.manuelectronics.com.au/pdfs/willisetal2009goldcoastwater.pdf>
- Yarra Valley Water - Residential End Use Measurement Study
<http://www.manuelectronics.com.au/pdfs/YarraValleyWater2004REUMS.pdf>

ManuFlo™ ®

Flow Measurement Products

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Itron