



In the vast dry Australian continent water is becoming an ever increasing precious and rare commodity and the burgeoning water cartage industry must stay on top of this demand.

With reliable accurate metering solutions, from simple resettable displays to full blown custody transfer solutions

ManuFlo provides solutions !

1

RPFS Insertion Paddlewheel Flow Sensors

- Pipe adaptors suite most pipe materials PVC, Poly, Steel etc
- Suitable for pipe sizes from **20 to 300mm.**

connected to...

FRT303 Digital Indicator

- LCD indicates Flowrate, Total (resettable) & Grand Total in IP65 enclosure with sun shield
- internal Lithium battery (7+ year battery life) or DC version to run off truck battery.
- Accuracy +/- 1% of rate.
- For pumped applications.



2

MRTU6 Insertion Paddle Wheel Resettable Flowmeters with integrated LCD.

- Pipe adaptors suite most pipe materials PVC, Poly, Steel etc
- For pipe sizes from **20 - 300mm.**
- Dual LCD 6 Digit Reset Total & 5 Digit Flow Rate.
- internal Lithium battery (up to 10 year battery life).
- Accuracy +/- 1% of rate.
- For pumped applications.



3

MEH flowmeters

- multi-jet & Turbine types.
- running mechanical total.
- ideal for gravitational flows or low pressure.
- sizes 15-50 mm, 50-300mm.
- ±2% accuracy.
- Optional pulse output

wired to

ME5T LCD resettable bat.pwr. display unit.



4

KMS Electro-Magnetic flowmeters AC, DC & Battery Powered

- Displays flowrate and running total (optional-resettable).
- sizes: 15 – 300mm.
- ±0.5% high accuracy spec.
- No moving parts = no servicing.
- Good for high & low flow rates.
- Integral or remote mounted display.
- Best reliability & accuracy for custody transfer applications .



5

6

ME995-7 or ME3000

- Batch Controllers mounted in weatherproof enclosures.
- With optional Start, Stop & Reset buttons mounted to enclosure housing.
- Used with Mag Flowmeters or Insertion paddle wheel flow sensors.
- **ME995-7** simple pre-set rotary dial system, 4 digit LED.
- **ME3000** micro-processor based menu driven system with multi functional LCD.



TMP/TMP1

- Custody Transfer Batching packages with **printer** and optional lockable enclosure.
- **TMP** for automatic valve or pump shut off at batch completion.
- **TMP1** for manual valve or pump shut off.
- Used with **KMS** Magmeters for High accuracy and reliable custody transfer solutions.
- Ticketed record of Batch Qty, with Time and Date stamp.
- Easy integration to any cartage truck.
- Powered by truck Battery or with AC connection point for external power.



What is Custody Transfer?

Custody transfer in fluid measurement is defined as a metering point where fluid is being measured for sale from one party to another.

ManuFlo offer the metering equipment required for this transaction from simple mechanical water meters with analogue dials, to digital meters with resettable counters for manual batching and even full blown truck mounted automatic batching systems where the operator simply pre-sets an amount to be dispensed presses 'start' and the batch controller shuts off a pump or valve automatically once the pre-set amount is met at which point if required a printed docket is produced for the recipient. The equipment is supplied fully integrated pre-wired, pre-programmed and pre-tested offering a true reliable 'plug and go' system. (Pattern M10 options).

Typical Water Cartage Metering Applications:

- Drinking water from artesian wells to bottling plants.
- Drinking water for domestic & commercial buildings.
- Water for lawns and gardens, council fields etc.
- Bulk water for civil works, construction sites etc.
- Commercial horticulture turf & plant watering etc.



ManuFlo Water Cartage Metering Options (see our website www.manuelectronics.com.au for datasheets)



Providing liquid measurement solutions since 1965. Deal direct with the manufacturer/supplier offering free lifetime after market application support.

(NMI-NSS1671 or NATA Calibration Certificates Available)

ManuFlo [®]™

Flow Measurement & Control Products

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