

# Newsletter

**ManuFlo**®<sup>TM</sup>

FLOW MEASUREMENT PRODUCTS

Please visit our website at [www.manuelectronics.com.au](http://www.manuelectronics.com.au)

A division of Manu Electronics Pty Ltd

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**POINTS OF INTEREST:**

- CMS, PMS Flowmeters
- ME6008M
- TMP-1

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## CMS CompactMag

- **Battery powered compact electromagnetic flowmeter.**
- Economically priced.
- Easily replaceable batteries (6x AA alkaline batteries).
- Resettable Totaliser for portable batching.
- Cumulative Totaliser for inventory.
- Instantaneous Flowrate display for flow monitoring.
- Virtually maintenance free, with no moving parts.
- Robust polypropylene construction.



Sizes 25, 50 & 80mm.  
Ideal for irrigation and bore water.

## PMS ProcessMaster

- **Electromagnetic flowmeter.**
- AC and DC powered versions.
- Ideal for auto and manual batching applications.
- Handles wide range of aggressive liquids and slurries.
- Robust construction for industrial use.
- Display shows Flowrate and Total (resettable via optional reset button for manual batching).
- Prefitted Stainless Steel Earthing.
- Automatically uploads calibration factors from flowsensor.




Sizes 3 - 250mm


The ProcessMaster™ range of electromagnetic flowmeters are wired, programmed, tested and supplied by ManuFlo. They are capable of operating over very wide flowranges, and offer quality performance with accuracy of ± 0.4% of rate. With no moving parts and an obstruction-less bore, this type of flowmeter guarantees the highest level of performance, unaffected by specific gravity or viscosity variations, or the most contaminated of fluids, whilst maintaining a high degree of accuracy for liquids with conductivity ≥ 5µS/cm.

## Upgrade your ME2008 to add Batch Log/Print Capability


**ME2000 or ME2008**




**ME6008M Batch Monitor Printer Driver**



**WIDE**  
dot matrix tractor feed  
LX300+II printer  
204mm wide printout  
80 characters




**COMPACT**  
dot matrix paper roll  
DP8340 printer  
84mm wide printout  
40 characters



+

optionally

or



**Batch Log**

wiring harness kit

Optional front connection to your laptop/PC

**The ME6008M provides multi-channel batch log/printout for ME2000/ME2008 units in batch plants, providing an independent batch record.**

The ME6008M can be connected to a ME2000 or an ME2008, and monitors/prints up to 8 channels of admixture or water. It internally logs 500 batch events, downloadable to your laptop or PC via an optional front-access DB9 RS232 connector (comes with RS232-to-USB adapter). All records are time stamped from the unit's Real Time Clock, and have a Batch Number ID, time and date. Units (mL or L) are indicated in the printout.

A wiring harness kit parallels flowmeter pulses from the ME2000 or ME2008 and connects to the ME6008M, which then connects to an optional serial printer (and/or to PCs via Hyperlink software). The ME6008M then provides an automatic QA end-of-batch printout using the optional printer. Grand Totals and the Batch History can also be printed (or dumped to a PC) on demand.

The ME6008M is fully programmable, and the user can set parameters including K-Factors (i.e. pulses/Litre) to scale the pulses received from each attached flowmeter).

Installation is simple—the ME6008M is the same size as the ME995-series Batch Controllers, and has the same cutout for installation in panels. The ME6008M can also be used in manual batch plants.

### TMP-1 Manual Batching Docket Printer System

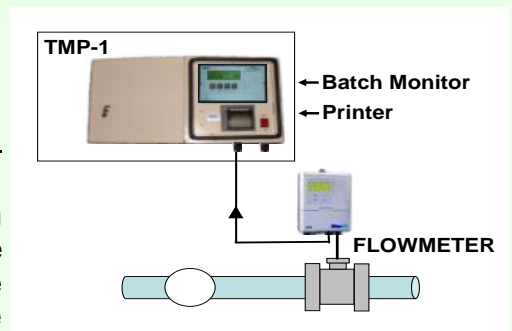
A new addition to the TMP automatic batch printing range is the TMP-1, a single channel Batching Docket Printer System, ideal where there is manual delivery of admixture and chemicals.

At the end of each manual batch, the TMP-1 (after a settable period of wait time after there is no activity) automatically provides a batch quantity printout with date, time and Batch ID -- well-suited for delivery trucks or loading and discharge locations where a custody transfer docket is required.

The printing of single or double dockets is selectable via the menu, and the printer paper is easily changed.

The TMP-1 also has an optional front RS232 port, for downloading the internal log of 500 batches to a PC or a laptop.

The TMP-1's component instruments are housed and protected in a rugged metal box, with a hinged key-lock lid. Since the enclosure is sealed to IP64, the unit can be mounted to the exterior chassis of delivery trucks. The monitor and printer are prewired, making it simple to connect your power supply and flowmeter pulses to the unit.



The TMP-1 is wired to a pulse output flowmeter.

## 2011 Client Visits

- China
- Hong Kong
- Malaysia
- Singapore
- Taiwan



Alliance Plant, Hong Kong

## Upcoming International Visits

In 2011 and 2012, ManuFlo plan to visit Indonesia, the Middle east, Philippines, Vietnam, Thailand and South America.

If you would like to meet with our representatives, or have them visit your office or factory, please contact Chris Ramos at ManuFlo to make arrangements. Chris's contact details are:

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Phone: +61 2 9938 1425

Fax: +61 2 9938 5852

We can provide training on the use of our equipment, answer installation questions or consult on batching application issues,

## MES20 Milestone

ManuFlo is proud to announce that sales of the MES20 pulse output flowmeter have passed 20,000 units.

The MES20 flowmeter has well and truly established itself worldwide as an accurate and reliable meter for dispensing admixture, chemicals and water.



## CT5 Water Studies Flowmeter

The range of CT5 flowmeters, used for water studies, has been expanded to cover hot and cold water.

Apart from use in water studies around Australia, the CT5 type flowmeters have also been exported to Germany, Iran, Israel and New Zealand.



CT5-S15



CT5-S20



CT5-S25

For precision data collection, the CT5-S15 15mm flowmeter has a high pulse rate 120 pulses/Litre Reed switch pulse output as well as a mechanical running (non-resettable) totaliser. It is ideal for both hot and cold water studies, operating to 90°C and 1500 kPa, with a flowrange at  $\pm 1.5\%$  accuracy of 0.25 - 40 Litres/min.

Operating up to 50°C and  $\pm 2\%$  accuracy, the 20mm CT5-S20 produces 72 pulses/Litre and the 25mm CT5-S25 produces 36 pulses/Litre.

## Helpful Hints

- ▶ **For proper operation, and to not void your warranty, equipment must be used as supplied** e.g.
  - each MRPU5 flowmeter head is factory programmed for a particular pipe diameter, and is calibrated for the pipe adapter it is supplied with (insertion depth of the paddlewheel can affect calibration). For correct readings, do not place an MRPU5 head onto a pipe adapter that is a different size to the one supplied.
  - each electromagnetic flowmeter has its display box factory matched and programmed to the particular characteristics of the flow sensor tube. Do not connect a display to a sensor other than the one it was supplied with, as the readings may then be incorrect.
- ▶ If sending goods to us for calibration/upgrade/repair, so that your order is not delayed please be sure to **include a purchase order with the goods**, giving:
  - your company name;
  - your contact name;
  - your phone number and e-mail address;
  - your street delivery address (couriers do not deliver to Post Office boxes); and
  - a brief description of the problem or the work needed.Also, if an overseas client, please declare the value of goods as AUD50.00 or less. Otherwise, Australian Customs will attempt to charge unnecessary duty, which will delay shipment clearance.
- ▶ If sending goods to us for calibration/upgrade/repair, **ensure the goods are suitably packed** i.e. the packing box is strong enough for the weight of the shipment; use packing material (bubble wrap, foam, crushed newspapers, or rags) to protect the enclosed items from damaging each other whilst in transit.

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## New Staff



**Grace Wang**  
Asia Market Co-ordinator



**Wilson Alba**  
Technical (ME2008 and Magflow Specialist)