

Please visit our website at www.manuelectronics.com.au

A division of Manu Electronics Pty Ltd

Page 1 | [Page 2](#) | [Page 3](#) | [Page 4](#)

POINTS OF INTEREST:

- AMM Admix Mini Mag
- Irrigation Flowmeters
- Dosing Controllers

INSIDE THIS ISSUE:

	Page
Admix Mini Mag	1
Shotcrete System	1
New Controllers	2
Irrigation Meters	2
Client Visits	3
Tradewaste Meters	3
Water Studies	4
Wireless Slumpstand System	4

AMM - Admix Mini Mag

- Low cost electromagnetic flowmeter - virtually maintenance free, with no moving parts.
- Obstructionless bore means no blockages, a particular advantage in very cold climates or with dirty liquids.
- 15 & 20mm models are directly interchangeable with MES20 20mm flowmeters.
- +12VDC powered (optional 24VDC).
- 1000 pulses/Litre (15, 20mm sizes), 500 pulses/Litre (25mm size).
- Very compact and light weight design.
- Accuracy is virtually unaffected by varying viscosity or specific gravity of liquids.
- PVDF lined sensor, Stainless Steel 316 electrodes with integrated grounding rings.
- Supplied with BSP (female) couplings.



Ideal for admixture. Sizes 15, 20 & 25mm.

The AMM is designed for the economical measurement of chemical liquid admixtures and any other conductive liquid, with no head losses and virtually no ongoing maintenance. The 1 pulse/1 ml output of the 15 and 20mm sizes makes them a direct replacement of MES20 admixture flowmeters in applications where there is a high content of solids in the measured liquid. The processor/electronics is integrated with the flowmeter sensor, so these two elements form a very compact package.

The Admix Mini Mag is ideal for measurement of admixtures in concrete batch plants, flowrate and total display for shotcreting and general process batching applications, and can be used directly with the complete range of ManuFlo or other Instrumentation. Contact ManuFlo if uncertain of use.

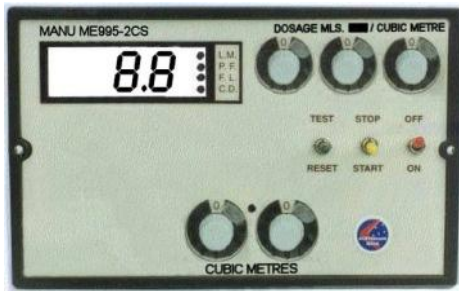
Shotcrete System

- Cost effective system for dosing/batching/control of shotcrete chemicals.
- Compact. ±2% accuracy.
- is an FRT303 Totaliser/Flowrate indicator in an outer Stainless Steel housing box, hinged lid, connected to an AMM15.



- The FRT303 is customized for this system with a backlit LED display.
- 12-24VDC powered. Complete wired system.

ME995-2CS and ME995-3KS



ME995-2CS



ME995-3KS

Straight mls dose selection: no x10 scaling on doser dials = no confusion

ManuFlo have two additional models to their range of ME995 dosing Batch Controllers. On dosing Batch Controllers, dials on the upper right are used to set the dosage rate, and the lower dials are for setting the batch quantity.

Instead of having 2 dosing dials with a x10 scaling (which may cause confusion as to the value selected), these new models have 3 dials without any multiplication scaling i.e. the dial value represents a direct millilitres value. The right-most dial is fixed at a zero value. The two new models are:

- **ME995-2CS :**
 - the dosing dials are mls/m³. User can select up to 990 mls/m³ in 10 ml increments.
 - the lower dials set the batch quantity in m³, up to 9.0 m³, in increments of 0.1 m³.
 - the display shows the delivered batch quantity in m³.
- **ME995-3KS :**
 - the dosing dials are mls/100-kg of cement. User can select up to 990 mls/100-kg in 10 ml increments.
 - the lower dials set the batch quantity in kg of cement, up to 9000 kg, in increments of 10kg.
 - the display shows the delivered batch quantity in kg.

The ME995-2C and ME995-3K models (with x10 scaling on the doser dials) will continue to be available, and existing ME995-2C and ME995-3K models in the field can be returned to the factory for upgrading.

IRRIGATION FLOWMETERS

ManuFlo have a wide range of flowmeters for irrigation applications, including:



MEH flowmeter

- multi-jet and turbine types.
- running mechanical total.
- ideal for gravitational flows or low pressure applications.
- ±2.5% accuracy.
- optional pulse output.
- in sizes 15-250 mm.



PWMR flowmeter

- Used for dirty water in agriculture applications that require meters to work in Difficult conditions.
- Solid and robust design.
- Sizes 50 - 200mm.
- Running mechanical total.
- Inbuilt pulse output.

Client Visits 2011—The Philippines, Malaysia, Singapore, Hong Kong



Tradewaste Flowmeters

- Fitted with Sydney Water Tradewaste plugs.
- Unsurpassed accuracy to $\pm 0.2\%$
- Process temperature: - 6 to 70°C.
- Virtually maintenance free - no moving parts.
- Eliminates headlosses and need for filters.
- Handles wide range of aggressive liquids.
- New backlit graphical display, with process status messaging. Display can be rotated in 90° increments.
- New octagonal sensor tube reduces sensitivity to flow profile disturbances and allows shorter straight pipe requirements.
- In sizes 25 - 200 mm. Empty pipe detection.



With no moving parts and an obstruction-less bore, the WaterMaster tradewaste flowmeter (wired, programmed, tested and supplied by ManuFlo) guarantees the highest level of performance, virtually unaffected by specific gravity or viscosity variations, or the most contaminated of fluids, whilst maintaining a high degree of accuracy over a very wide flowrange.

A unique self-verifying feature has been implemented in WaterMaster, providing ultra-stable performance over time.

Your chosen ManuFlo WaterMaster will be fully programmed, wired, calibrated and wet-tested on our internal flow test rig facility. When you choose your tradewaste flowmeter from ManuFlo, simplicity of installation is assured.

All flowmeters are calibrated at the ManuFlo factory, with pumped or gravity fed water, using a Water Board designed weir tank rating facility cross-referenced with a NSW Weights and Measures certified load cell and flowmeter verification system.

Sydney Water will require an on-site calibration inspection verification check after the flowmeter has been installed. This check can be performed by ManuFlo within the greater Sydney area.

Water Studies Flowmeters

The CT5 range of flowmeters (15, 20 and 25mm sizes) provided by ManuFlo are the preferred flowmeters for use in water studies. CT5 units are approved domestic water meters with high pulse rate output for precision data collection. ManuFlo have supplied CT5 units for two recent water studies:

- in Toowoomba QLD, and
- in Abu Dhabi in the United Arab Emirates.

Ideal for use with Trace Wizard Software !



- **CT5-S15**
- 15mm hot water flowmeter.
- To 90 °C.
- Contact closure pulse output.
- 120 pulses/Litre.
- Mechanical non-resetable display.
- Flowrange @ ±1.5% accuracy: 0.25 - 40 Litres/min.
- ½" BSP (male) couplings.



20mm Manifold version

- **CT5-S20**
- 20mm domestic water flowmeter.
- To 50 °C.
- Contact closure pulse output.
- 72 pulses/Litre
- Mechanical non-resetable display.
- Flowrange @ ±2% accuracy: 0.5 - 80 Litres/min.
- Couplings: Gasket Seat ¾" BSP (male).



- **CT5-S25**
- 25mm domestic water flowmeter.
- To 50 °C.
- Contact closure pulse output.
- 36 pulses/Litre
- Mechanical non-resetable display.
- Flowrange @ ±2% accuracy: 0.7 - 116 Litres/min.
- Couplings: Gasket Seat 1" BSP (male).



Other types also available to suit your specific applications.



FLOW MEASUREMENT PRODUCTS
A division of Manu Electronics Pty Ltd

41 Carter Road, Brookvale
Sydney NSW 2100 Australia

Phone: +61 2 9938-1425 or
+61 2 9905-4324

Fax: +61 2 9938-5852

Please visit our website at
www.manuelectronics.com.au
or www.manuflo.com



Wireless Pulse System



The WPTR system is a wireless pulse transmitter/receiver system ideal for remote slumppstands or where cable runs are impractical.

It is a compact design, and includes antennas. The maximum pulse rate is 5 Hz, and the maximum transmission distance is 150 metres. A 4-channel receiver option is also available.

The transmitter can be powered by 3x 1.2v C-cell batteries, or by DC or ac, or can be solar powered. The receiver can be 7-28 VDC powered, or 240vac powered.