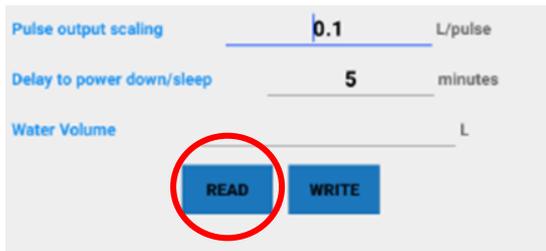


CALIBRATION (remote NFC method)

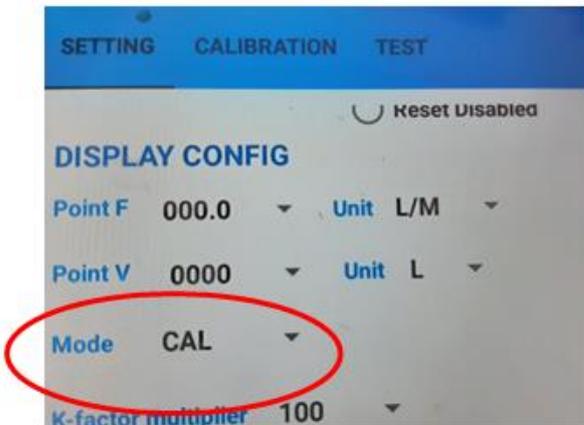
As well as the push button method calibration, to avoid having to open the enclosure and thus breaking the initial factory seal of the MRT flowmeters calibration can also be performed using an ANDROID SMART Phone and the **EWM03-APP** which can be downloaded from the Manu Electronics web site at the following link www.manuelectronics.com.au/pdfs/MRTU4_EWM03_REV02.zip

1 Point Calibration Procedure:

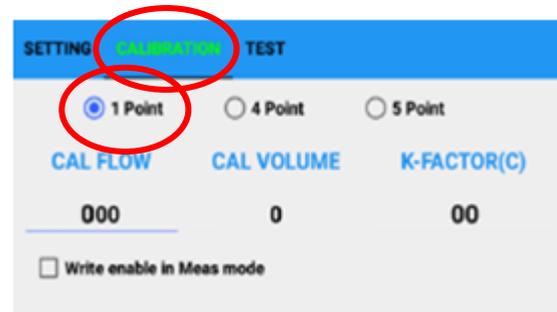
Step 1. Place your Smart phone on the face of the flowmeter move it around until you hear an audible beep indicating communications between the flowmeters RFID reader and the NFC antenna of the phone. Press '**READ**' and wait for the data from the flowmeter to upload to the phone.



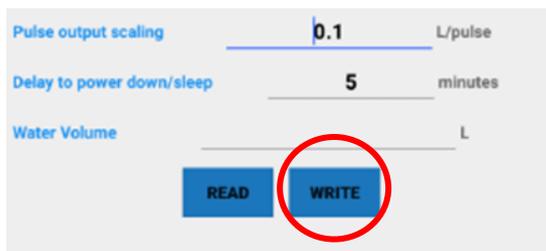
Step 2. Go to 'Mode' and under the drop-down menu select '**CAL**'



Step 3. Tap on the '**CALIBRATION**' heading at top of screen (cursor line will move to that heading) Tap on '**1 Point**' and enter all '00's at data points 'CAL FLOW', CAL VOLUME & 'K-FACTOR'



Step 4. Return cursor to '**SETTING**' then place your Smart phone back on the face of the flowmeter move it around until you hear an audible beep. Press '**WRITE**' and wait for the data from the phone to upload to the flowmeter, wait up to 10 seconds then remove the phone at this point the flowmeter screen will go in to 'CAL Mode' with 'C1C' on the display.



Flowmeter LCD Display in CAL Mode

NFC CALIBRATION

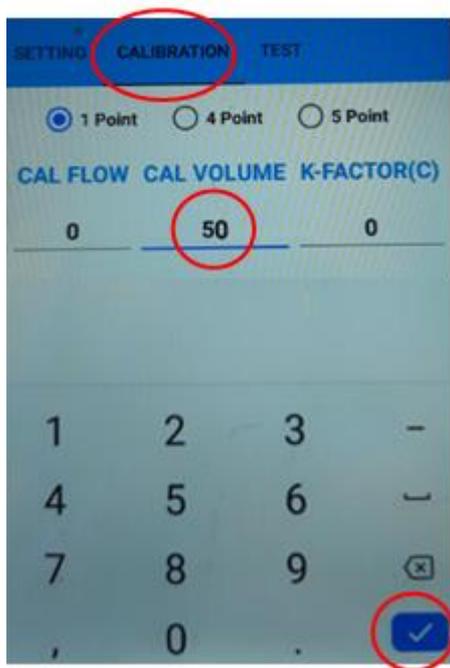
Step 5. Start flow (Run liquid through the MRT flowmeter into a verified measuring vessel or weigh scale)

- Calibration will automatically start upon flow detection.
- Display must have at least 100 counts or more to have an accurate calibration before stopping the flow.

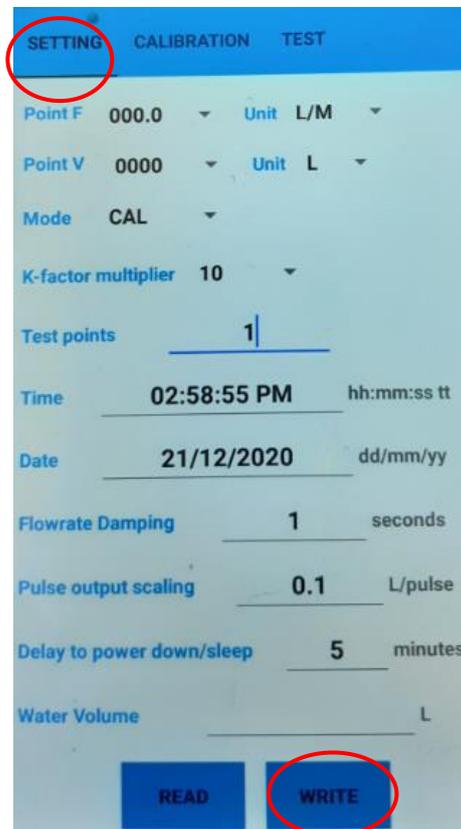


**Flowmeter Display once water flow has stopped 'C1' is indicated
And numbers shown is Counts/Litre or (Gear Rate/K-FACTOR).**

Step 6. Stop the flow and make a note of 'actual volume' recorded. Enter the actual volume figure under 'CAL VOLUME' on the Phone e.g. '50 Litres' then press to save.



Step 7. Return to 'SETTING' place the phone back on the face of the flowmeter and press 'WRITE' to upload the actual volume recorded to flowmeter.



Step 8. Remove the phone from the flowmeter after approx.10 seconds Display will now show all 000's and 'F0' is indicating it is now in 'Test Mode'.

Step 9. Run a small amount of water through the meter to flush the pipes (this will not be recorded) then stop the flow. Display will indicate 'F1' and return to zero.



