



Ref: FAQ0293

Version: 1.0

Title –LoLog Vista – configure 4-20mA

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(Issue 2)

Configuring a LoLog Vista display to read a 4-20mA flow correctly

If for example your 4-20mA output was 4mA= zero flow and 20mA = 30 litres per second then the difference 4 to 20 = 16 steps = 30litres per sec and therefore each step = 1.875litres per sec. So since your scale starts at zero mA you would need to apply a (negative) Offset to the Display Configuration of $4 \times 1.875 = -7.5$

For the display screen to read correctly you would need to apply a factor of 0.019 (the nearest 3 decimal place value you can get to 1.875 divided by 100 for display factor)

This would mean that at an actual value of 30litres per sec you would see displayed 30.4 litres per second so there would be a small error. ($30 \times 1.9 = 30.4$)

This would be the display setting for this example –

Lo-Log Flash - v1.07 - Display Configuration

Logger Display Data Calibration

Channel: Channel 01
Type: Analogue
Units Per Pulse: 0.019 Offset: -7.5
Meter Reading: 0.0000 Cubic Metres
Display: Value

Min/Max:
Mode: Min - Last Full Time Window
Window Start Time: 00:00:00
Window End Time: 00:00:00

Load Save Upload... Cancel

Document History:

Edition	Date of Issue	Modification	Notes
1st	13/06/13	Release	
2nd	21/09/15	Format update	