

The speed parameter on the main unit set to do 100m in 30 sec = 12Km/h = 3333mm/sec (0.21 S).
 The setting of the target value parameter for each row on the main unit was set as follows with the results for each row indicated below.

ROW NO	TARGET L/100m	FLOW target ml/sec x 100		PUMP same for all rows		WHEEL SPEED mm/sec Same for all rows		CALIBRATION ml/pulse
1	0.5	1757	1780	1551	1703	3495	3580	1.7
2	1.0	3522	3573					1.7
3	1.5	5277	5403					1.7
4	2.0	7046	7144					1.7
5	2.5	8871	8939					1.7
6	3.0	10677	10714					1.7
7	3.5	12256	12475					1.7
8	4.0	14073	14274					3.0

In the email from Erich, the calibration is ml/pulse * 128, but the same calibration figure shown in the main unit is displayed in the packet.

The wheel speed should theoretically be 3333.33mm/sec. I set it a few times by stop watch to get it as accurate as possible and compared the results. S was consistently 0.21

Theoretical FLOW target values (ml/sec x 100) for 100m in 30sec should be as below.

Row no	Target	Theoretical	Actual	%		
1	0.5	1666.6667	1768.5	6.11%		
2	1	3333.3333	3547.5	6.42%		
3	1.5	5000	5340	6.80%		
4	2	6666.6667	7095	6.42%		
5	2.5	8333.3333	8905	6.86%		
6	3	10000	10695.5	6.96%		
7	3.5	11666.667	12365.5	5.99%		
8	4	13333.333	14173.5	6.30%		
Wheel Speed		3333.3	3537.5	6.13%		

+/- 6% seems a lot.