

Hydrins - how to set the flow pulse factor in the data logger

Pulse factor is given by the Hydrins probe configuration – in the example below the Pulse Factor generated by the Hydrins is 2.199 litres per pulse.

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Information Instrument type Serial number	Hydrins II	Units Velocity unit Volume unit	Milimetre 💌	Serial output 4-20 mA output Display	
Sensor number Software version Usable probe length		Time unit Totaliser unit Sampling	Second	Flow Noise of point velocity	
Installation Internal diameter Probe position Measurement direction	200 mm Center 💌	Number of samples Cycle time Sampling time Battery life	2 A 30 A sec 1.0 A sec 3 years	Noise of mean velocity Noise of flow Totaliser Frequency output	
Insertion / profile factors Minimum flow rate Maximum flow rate Pulse factor	1.060 / 0.850 0.000 litre/sec 109.956 litre/sec 2.199 litre	Calculation Row direction Normal flow contact	Nomal 💌 Open 💌	Battery usage Units Calibration	
Maximum permissible flow :133.4 ittre/sec Above, the probe may be seriously damaged		Smoothing type Number of points Mains frequency	Averaged 5 50 Hz	Gain 1.000 Offset 0.0 mm/sec Row zero cut off 5 mm/sec	

This figure needs to be set in the logger transducer set up for the flow channel when you configure the logger -

nsor Type:	Flow	•
ransducer		
Select:	User Defined Transducer	➡ Remove
Enter/Edit Transd	ucer	
Name:		
Name:	2.199	
Units Per Pulse:		
	2.199 0.999900 All Data Values	

Document History:

Edition	Date of Issue	Modification	Notes
1st	23/08/13	Release	
2nd	22/09/15	Format update	