



Ref: FAQ0126

Version: 1.0

Title – Hydrins gain & offset explained

Made By: AB 15/09/15

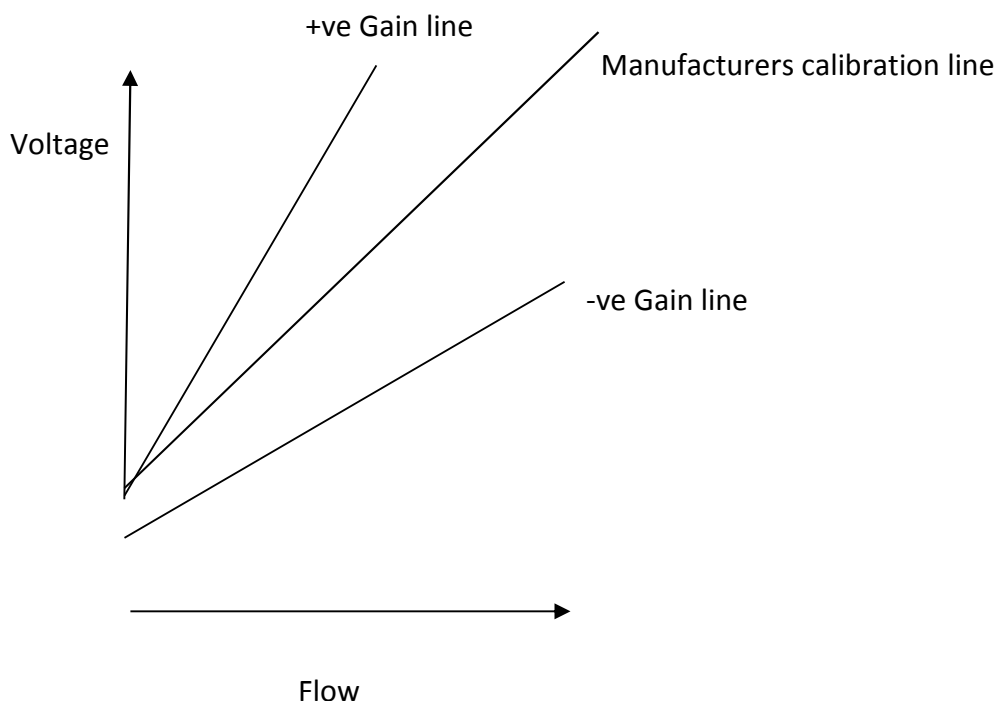
(Issue 2)

Hydrins - An explanation of gain and offset settings

If there is a problem with the probe calibration then this is how the gain and offset settings work – Note you would need to have compared the Hydrins output with a reference flow meter to prove the calibration is out -

1. Gain

The Hydrins sensor is calibrated for Flow against Voltage – gain is an adjustment to the slope of the calibration graph – you would need to compare the flow generated by the Hydrins with flow generated by a reference device (flow meter) to ascertain if the gain needed to be adjusted. Note – if you use Hydrins software to change these settings it overwrites the manufacturers original calibration gain and offset values. You can return to these settings by reprogramming the Hydrins with **Gain = 1 & the offset = 0**.



2. Offset

This relates to the calibration of the zero position. If at zero flow the sensor was indicating 10 mm/sec of flow then you would adjust the offset to compensate –



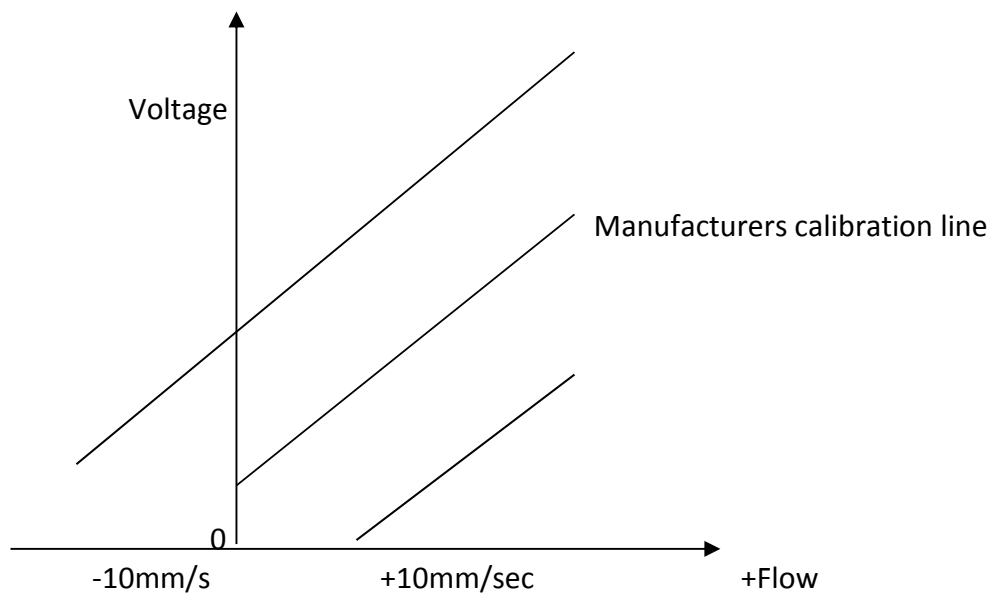
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Document History:

Edition	Date of Issue	Modification	Notes
1st	06/08/12	Release	
2nd	15/09/15	Format update	