

Change Transducers

Calibration & Test

Test environment

- Two EVM boards are in the same pipeline
 - Connect each EVM board to each laptop
 - Use battery
 - Remove four J3 jumpers
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- **Change the transducers** of EVM #2 and #3 to others
 - Same environment as 24.05.16 test except transducers
 - Calibrate and Test at the same time

Test results

Error occur in EVM #3

Iteration	Testbench VFR (L/h)	Reference Meter (L)	EVM #2 Volume Flow (L)	EVM #3 Volume Flow (L)	EVM #2 Error	EVM #3 Error	Test Time	Water Temp.	Error Threshold
#3	10	0.955	0.951	0.918	-0.419%	-3.874%	11:35 ~ 12:40	27.6 °C	+-5%
	13	1.223	1.219	1.147	-0.327%	-6.214%			
	16	1.474	1.470	1.426	-0.271%	-3.256%			
	830	76.762	76.670	76.108	-0.120%	-0.852%			+-2%
	1686	155.353	155.231	151.294	-0.079%	-2.613%			
	2500	230.675	231.709	220.487	0.448%	-4.417%			
	3125	280.935	281.103	266.919	0.060%	-4.989%			

Question

Are there any USS GUI parameters to change to fix this problem?