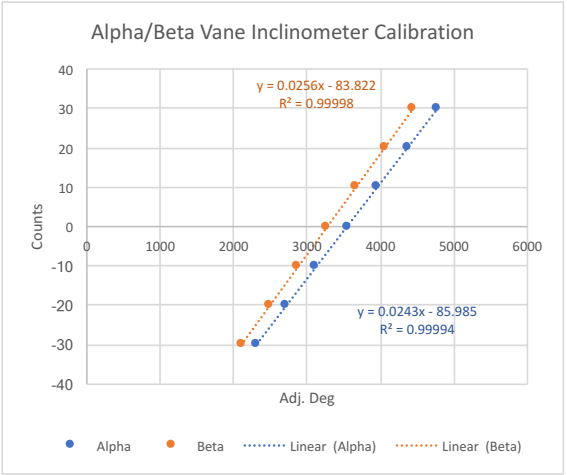
S/N: 611231 **Pair:** 611210

Software download: www.spingarage.com/611231

Output Format								
Type	VCP-over-USB							
Baud Rate	115200							
Output Rate	20 Hz							
Output String	**$AIRDAQ,FF.FF.FF,ADC,1111,2222,3333,4444<CR><LF>**							
Element	$AIRDAQ,	FF.FF.FF,	ADC,	1111,	2222,	3333,	4444	<CR><LF>
Description	Header	S/N	Output Type	Static Press Counts	Dynamic Press Counts	Alpha Counts	Beta Counts	Carriage Return/Line Feed \x0D\x0A

Vane Calibration Details

Alpha				Beta			
Tare	0 degrees nose up			**Tare**	0 degrees nose right		
	Alpha (deg)	Adj. Deg	Alpha Counts		Beta (deg)	Adj. Deg	Beta Counts
	30	30	4780		30	30	4447
Nose Up	20	20	4366	**Nose Left**	20	20	4059
	10	10	3958		10	10	3670
	0	0	3551		0	0	3274
	-10	-10	3122		-10	-10	2877
Nose Down	-20	-20	2711	**Nose Right**	-20	-20	2499
	-30	-30	2316		-30	-30	2104
Linear Best Fit	**alpha_deg** = 0.0243***alpha_counts** -85.985			**Linear Best Fit**	**beta_deg** = 0.0256***beta_counts** -83.822		



Pressure Transducer Details

Static Pressure Transducer		Dynamic Pressure Transducer	
Make	Honeywell	**Make**	Honeywell
P/N	HSCMRNN1.6BASA3	**P/N**	SSCMRRN100MDSA3
Range	0-1.6 bar	**Range**	+/- 100 mbar
Accuracy	0.25%	**Accuracy**	0.25%
Equation (Factory Cal)	**ps_bar** = 0.00012207***(ps_counts** - 1638)	**Equation (Factory Cal)**	**pd_mbar** = (0.01525902***(pd_counts** - 1638)) - 100

References

https://sensing.honeywell.com/index.php?ci_id=45843

https://sensing.honeywell.com/honeywell-sensing-trustability-hsc-series-high-accuracy-board-mount-pressure-sensors-50099148-a-en.pdf