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SENSOR SERIAL NUMBER: 21148
CALIBRATION DATE: 18-Mar-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 5059701

COEFFICIENTS:

PA0 =	-1.069115e+000	PTCA0 =	5.237017e+005
PA1 =	8.967763e-003	PTCA1 =	-1.395816e+001
PA2 =	2.606013e-011	PTCA2 =	3.974022e-001
PTEMPA0 =	-9.336229e+001	PTCB0 =	1.027948e+002
PTEMPA1 =	3.921565e-002	PTCB1 =	-6.491298e-003
PTEMPA2 =	1.316575e-006	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (counts)	INSTRUMENT OUTPUT (counts)
14.68	525361.8	2720.6	14.83	0.01	32.50	2923	525472.58
591.23	589507.8	2720.0	591.03	-0.01	29.00	2848	525428.57
1168.42	653762.2	2719.6	1168.42	-0.00	24.00	2741	525395.00
1745.54	717983.0	2719.0	1745.72	0.01	18.50	2622	525381.24
2322.89	782179.2	2718.8	2323.01	0.00	15.00	2546	525385.67
2899.96	846292.2	2717.6	2899.76	-0.01	4.50	2315	525448.38
2323.08	782200.6	2716.2	2323.19	0.00	1.00	2238	525488.66
1745.75	717994.2	2715.8	1745.81	0.00	TEMPERATURE (°C)		SPAN
1168.59	653773.0	2715.0	1168.51	-0.00			
591.31	589510.0	2714.2	591.05	-0.01			
14.69	525357.0	2708.8	14.81	0.00			
					-5.50		102.83
					34.49		102.57

y = thermistor output (counts)

$$t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y^2$$

$$x = \text{instrument output} - PTCA0 - PTCA1 * t - PTCA2 * t^2$$

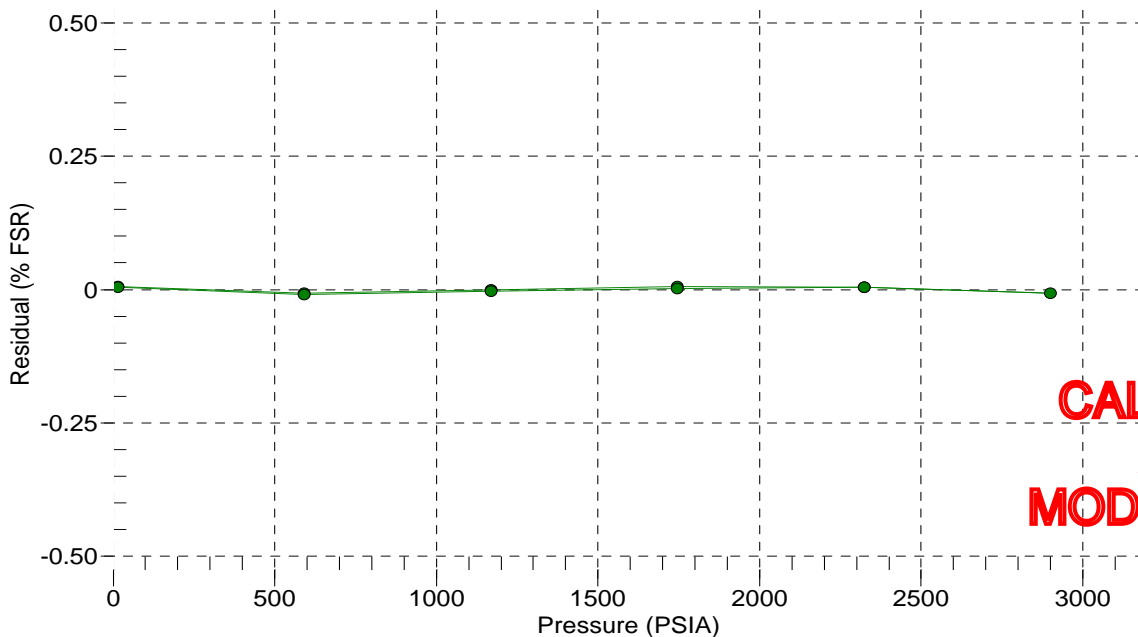
$$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$$

$$\text{pressure (PSIA)} = PA0 + PA1 * n + PA2 * n^2$$

$$\text{Residual (\%FSR)} = (\text{computed pressure} - \text{true pressure}) * 100 / \text{Full Scale Range}$$

Date, Offset (%FSR)

● 18-Mar-25 0.00



**CALIBRATION
AFTER
MODIFICATIONS**