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SENSOR SERIAL NUMBER: 9769  
 CALIBRATION DATE: 05-Sep-17

SBE 41 PRESSURE CALIBRATION DATA  
 2900 psia S/N 10648941

COEFFICIENTS:

PA0 =	6.662784e-001	PTCA0 =	8.720170e+001
PA1 =	3.892629e-004	PTCA1 =	8.696145e+001
PA2 =	-2.812553e-013	PTCA2 =	-4.471124e-001
PTHA0 =	2.957636e+002	PTCB0 =	2.526675e+001
PTHA1 =	-6.048780e-005	PTCB1 =	-4.500000e-004
PTHA2 =	-1.134576e-012	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)
14.56	37581.7	4192706.4	14.60	0.00	32.50	4045416.80	40185.70
591.26	1520153.3	4191722.0	591.29	0.00	29.00	4095528.00	40030.85
1168.01	3006073.7	4190959.0	1168.04	0.00	23.99	4167230.60	39763.39
1744.75	4495203.9	4190300.6	1744.79	0.00	18.50	4245661.00	39316.85
2321.56	5987809.0	4189659.2	2321.64	0.00	15.00	4295601.20	38998.70
2898.39	7483250.2	4189027.8	2898.32	-0.00	4.50	4444678.20	38289.59
2321.61	5987806.3	4189310.2	2321.64	0.00	1.00	4494248.60	37939.28
1744.91	4495482.5	4189596.4	1744.90	-0.00			
1168.02	3005772.6	4189801.8	1167.92	-0.00			
591.19	1519686.7	4190086.6	591.11	-0.00	TEMPERATURE (°C)	SPAN (mV)	
14.56	37503.8	4190340.4	14.57	0.00	-5.00	25.27	
					35.00	25.25	

y = thermistor output (counts)

$$t = PTHA0 + PTHA1 * y + PTHA2 * y^2$$

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

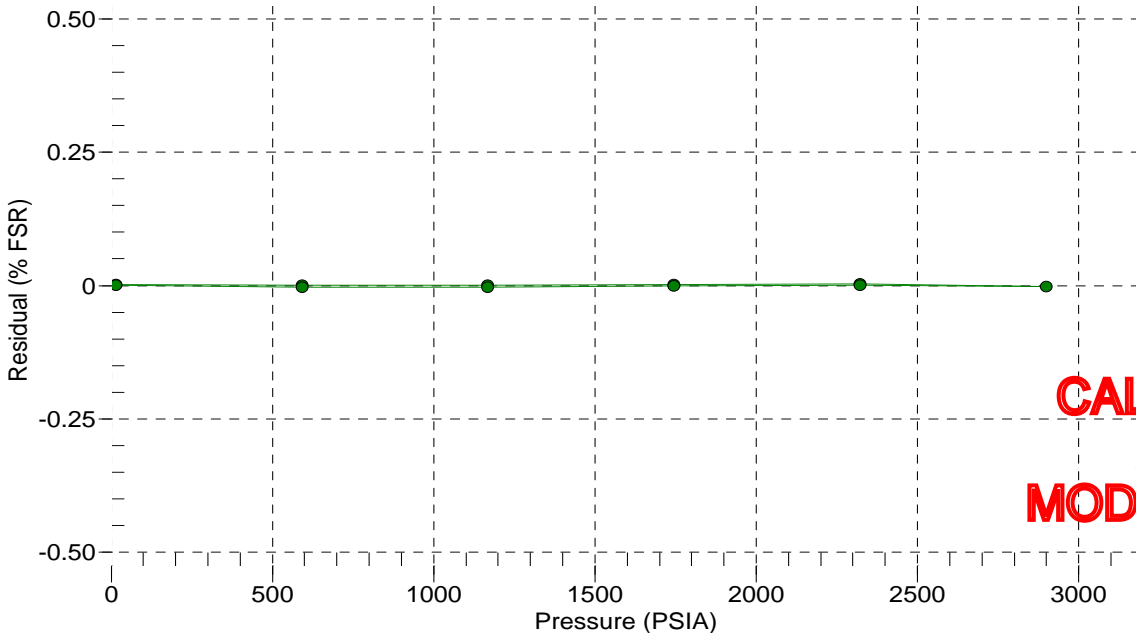
$$n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)$$

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

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

Date, Offset (%FSR)

● 05-Sep-17 -0.00



**CALIBRATION  
 AFTER  
 MODIFICATIONS**