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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 07-Nov-19

SBE 37 V2 PRESSURE CALIBRATION DATA
508 psia S/N 4369699

COEFFICIENTS:

PA0 = 8.739498e-002
PA1 = 1.581262e-003
PA2 = 4.066199e-012
PTEMPA0 = -8.234858e+001
PTEMPA1 = 4.834354e-002
PTEMPA2 = -3.749876e-007

PTCA0 = 5.250429e+005
PTCA1 = 4.088206e+000
PTCA2 = -7.719599e-002
PTCB0 = 2.510263e+001
PTCB1 = -2.750000e-004
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)
14.61	534291.0	2217.0	14.63	0.00	32.50	2421	534693.00
104.87	591303.0	2218.0	104.82	-0.01	29.00	2346	534697.35
204.88	654535.0	2220.0	204.88	0.00	24.00	2239	534694.01
304.89	717714.0	2219.0	304.89	0.00	18.50	2121	534691.42
404.88	780863.0	2221.0	404.89	0.00	15.00	2046	534686.54
504.88	843982.0	2221.0	504.87	-0.00	4.50	1822	534659.48
404.89	780867.0	2222.0	404.90	0.00	1.00	1748	534645.66
304.88	717714.0	2230.0	304.90	0.00	TEMPERATURE (°C) SPAN		
204.88	654536.0	2231.0	204.89	0.00			
104.88	591331.0	2231.0	104.87	-0.00			
14.60	534283.0	2233.0	14.62	0.00			
					-5.00		25.10
					35.00		25.09

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t²

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range

Date, Offset (%FSR)

● 07-Nov-19 -0.00

