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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 22-Dec-17

SBE 37 V2 PRESSURE CALIBRATION DATA
870 psia S/N 3270608

COEFFICIENTS:

PA0 = 1.920422e-001
PA1 = 2.774234e-003
PA2 = 1.693119e-011
PTEMPA0 = -5.935252e+001
PTEMPA1 = 5.520770e-002
PTEMPA2 = -8.264309e-007

PTCA0 = 5.248136e+005
PTCA1 = 4.440856e+000
PTCA2 = -5.951496e-002
PTCB0 = 2.515675e+001
PTCB1 = -5.000000e-005
PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (volts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (volts)	INSTRUMENT OUTPUT (counts)
14.72	530127.0	1510.0	14.74	0.00	32.50	1707	530359.00
179.98	589650.0	1512.0	179.95	-0.00	29.00	1641	530357.72
359.96	654457.0	1513.0	359.96	0.00	24.00	1546	530350.16
539.96	719217.0	1513.0	539.98	0.00	18.50	1441	530339.94
719.95	783912.0	1513.0	719.97	0.00	15.00	1375	530331.13
869.92	837764.0	1514.0	869.89	-0.00	4.50	1177	530296.77
719.97	783916.0	1514.0	719.98	0.00	1.00	1112	530282.61
539.99	719223.0	1513.0	540.00	0.00			
360.00	654467.0	1513.0	359.99	-0.00	TEMPERATURE (°C)		SPAN
180.01	589659.0	1514.0	179.97	-0.00	-5.00		25.16
14.72	530124.0	1513.0	14.73	0.00	35.00		25.16

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)

● 22-Dec-17 0.00

