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SENSOR SERIAL NUMBER: 9309
CALIBRATION DATE: 14-Oct-19

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

COEFFICIENTS:

PA0 = 1.944225e-001
PA1 = 2.774226e-003
PA2 = 1.628967e-011
PTempa0 = -5.866251e+001
PTempa1 = 5.424452e-002
PTempa2 = -4.900444e-007

PTCA0 = 5.248467e+005
PTCA1 = 4.604469e+000
PTCA2 = -6.569659e-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 (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (counts)	INSTRUMENT OUTPUT (counts)
14.56	530103.0	1516.0	14.58	0.00	32.50	1707	530349.00
179.82	589624.0	1511.0	179.78	-0.00	29.00	1640	530346.95
359.82	654445.0	1511.0	359.82	0.00	24.00	1546	530340.50
539.82	719209.0	1510.0	539.84	0.00	18.50	1441	530332.56
719.82	783911.0	1511.0	719.83	0.00	15.00	1375	530322.07
869.81	837781.0	1511.0	869.78	-0.00	4.50	1177	530288.42
719.84	783919.0	1510.0	719.85	0.00	1.00	1111	530272.88
539.86	719220.0	1510.0	539.88	0.00	TEMPERATURE (°C) -5.00 35.00		SPAN 25.16 25.16
359.86	654451.0	1510.0	359.84	-0.00			
179.85	589635.0	1510.0	179.81	-0.00			
14.56	530101.0	1510.0	14.58	0.00			

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)

● 14-Oct-19 0.00

