

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 4303

CALIBRATION DATE: 17-Dec-13

SBE 37 PRESSURE CALIBRATION DATA

10153 psia S/N 8843

COEFFICIENTS:

PA0 = 1.290986e+000

PA1 = 4.894409e-001

PA2 = -4.895757e-007

PTCA0 = -5.998248e+001

PTCA1 = 2.061431e-001

PTCA2 = -3.941010e-003

PTCB0 = 2.484362e+001

PTCB1 = -1.475000e-003

PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.70	-29.5	22.2	14.94	0.00
2001.27	4038.5	22.1	2000.37	-0.01
3988.10	8143.5	22.2	3987.41	-0.01
5975.12	12284.5	22.2	5975.10	-0.00
7962.31	16460.6	22.1	7962.55	0.00
9949.65	20670.8	22.1	9948.92	-0.01
7962.28	16461.7	22.1	7963.07	0.01
5975.13	12285.9	22.2	5975.76	0.01
3988.16	8145.3	22.1	3988.25	0.00
2001.28	4040.0	22.1	2001.10	-0.00
14.70	-28.9	22.2	15.23	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	-28.70	-5.00	24.85
29.00	-28.51	35.00	24.79
24.00	-28.49		
18.50	-28.77		
15.00	-29.05		
4.50	-30.28		
1.00	-31.05		

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

$$n = x * \text{PTCB0} / (\text{PTCB0} + \text{PTCB1} * t + \text{PTCB2} * t^2)$$

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

Date, Avg Delta P %FS

17-Dec-13 0.00

