

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0816

CALIBRATION DATE: 12-Apr-12

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 192112

COEFFICIENTS:

PA0 = 4.248371e+000

PA1 = 5.985379e-002

PA2 = 2.541754e-008

PTCA0 = 0.000000e+000

PTCA1 = 5.265442e-001

PTCA2 = -5.159505e-003

PTCB0 = 0.000000e+000

PTCB1 = 0.000000e+000

PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE PSIA	INST OUTPUT	TEMP ITS90	COMPUTED PRESSURE	ERROR %FS
14.51	176.8	23.5	14.26	-0.02
314.18	5179.1	23.4	314.35	0.01
614.61	10150.3	23.4	613.83	-0.05
914.59	15114.8	23.5	914.16	-0.03
1214.58	20053.9	23.5	1214.19	-0.03
1514.64	24980.8	23.5	1514.72	0.01
1214.58	20065.1	23.5	1214.87	0.02
914.57	15128.7	23.5	915.00	0.03
614.60	10170.6	23.5	615.05	0.03
314.65	5191.1	23.5	315.07	0.03
14.52	181.1	23.4	14.52	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	195.00		
29.00	194.39		
24.00	193.16		
18.50	191.37		
15.00	190.08		
4.50	185.64		
1.00	183.97		

$$n = \text{instrument output} - (\text{PTCA1} * t - \text{PTCA2} * t^2)$$

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

Date, Avg Delta P %FS

12-Apr-12 -0.00

