

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1242

CALIBRATION DATE: 16-Apr-12

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 193459

COEFFICIENTS:

PA0 = -1.201712e+001

PA1 = 5.998335e-002

PA2 = 2.511154e-008

PTCA0 = 0.000000e+000

PTCA1 = 3.403862e-001

PTCA2 = 9.784976e-004

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
14.57	446.0	23.1	14.24	-0.02
314.92	5447.2	23.1	314.96	0.00
614.92	10404.8	23.1	614.31	-0.04
914.96	15351.1	23.1	914.20	-0.05
1214.99	20284.7	23.1	1214.55	-0.03
1515.04	25203.3	23.2	1515.20	0.01
1214.99	20297.5	23.2	1215.33	0.02
914.95	15370.6	23.2	915.38	0.03
614.90	10425.7	23.2	615.57	0.04
314.56	5448.3	23.2	315.03	0.03
14.58	452.4	23.3	14.62	0.00

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	464.80		
29.00	463.29		
24.00	461.26		
18.50	459.27		
15.00	458.08		
4.50	454.15		
1.00	452.98		

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

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

Date, Avg Delta P %FS

16-Apr-12 0.00

