

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0827

CALIBRATION DATE: 16-Apr-12

SBE 37 PRESSURE CALIBRATION DATA

1500 psia S/N 192107

COEFFICIENTS:

PA0 = 1.112892e+000

PA1 = 6.002733e-002

PA2 = 2.019191e-008

PTCA0 = 0.000000e+000

PTCA1 = 2.205699e+000

PTCA2 = 1.882008e-002

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
14.60	282.0	23.1	14.38	-0.01
314.90	5278.8	23.1	314.87	-0.00
614.96	10242.0	23.1	614.34	-0.04
914.98	15194.9	23.1	914.19	-0.05
1214.94	20140.0	23.1	1214.54	-0.03
1514.96	25069.1	23.1	1514.91	-0.00
1214.66	20152.1	23.1	1215.28	0.04
914.90	15214.8	23.1	915.39	0.03
614.85	10261.2	23.1	615.50	0.04
314.85	5281.8	23.1	315.05	0.01
14.61	288.1	23.1	14.75	0.01

THERMAL CORRECTION

TEMP ITS90	INST OUTPUT	TEMP ITS90	SPAN MV
32.50	328.50		
29.00	315.83		
24.00	300.06		
18.50	283.33		
15.00	273.43		
4.50	249.01		
1.00	237.02		

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

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

Date, Avg Delta P %FS

16-Apr-12 -0.00

