

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0816
CALIBRATION DATE: 05-Dec-16

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192112

COEFFICIENTS:

PA0 = 4.430219e+000
PA1 = 5.994296e-002
PA2 = 2.275502e-008

PTCA1 = 4.520197e-001
PTCA2 = -2.930208e-003

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.70	176.1	23.0	14.46	-0.02	32.50	199.60
314.96	5173.3	23.0	314.61	-0.02	29.00	199.01
614.90	10136.0	23.0	613.82	-0.07	24.00	197.57
914.89	15096.7	23.0	914.02	-0.06	18.50	195.54
1214.87	20042.6	23.0	1214.45	-0.03	15.00	194.01
1514.77	24968.4	23.0	1514.76	-0.00	4.50	190.36
1214.80	20056.5	23.0	1215.29	0.03	1.00	188.57
914.79	15123.3	23.0	915.63	0.06		
614.87	10167.5	23.0	615.72	0.06		
314.93	5189.9	23.0	315.61	0.04		
14.64	181.4	23.0	14.77	0.01		

t = temperature (°C)

n = instrument output - (PTCA1 * t + PTCA2 * t²)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range

Date, Offset (%FSR)

● 05-Dec-16 -0.00

