

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 05-Dec-16

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192107

COEFFICIENTS:

PA0 = 1.725901e+000
PA1 = 6.005091e-002
PA2 = 1.933647e-008

PTCA1 = 2.153897e+000
PTCA2 = 2.104543e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.64	273.2	23.0	14.49	-0.01	32.50	325.60
314.86	5256.3	23.0	314.25	-0.04	29.00	313.14
614.88	10222.5	23.0	613.95	-0.06	24.00	296.94
914.90	15181.7	23.0	914.18	-0.05	18.50	280.49
1214.90	20126.0	23.0	1214.45	-0.03	15.00	269.03
1514.85	25055.5	23.0	1514.77	-0.01	4.50	245.54
1214.80	20141.0	23.0	1215.36	0.04	1.00	233.80
914.78	15205.3	23.0	915.61	0.06		
614.90	10249.8	23.0	615.60	0.05		
314.90	5278.2	23.0	315.57	0.04		
14.63	278.4	23.0	14.80	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

