



Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 0827
CALIBRATION DATE: 08-Oct-18

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192107

COEFFICIENTS:

PA0 = 2.330624e+000
PA1 = 6.014473e-002
PA2 = 1.525127e-008

PTCA1 = 2.200846e+000
PTCA2 = 1.943042e-002

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.61	274.8	26.0	14.62	0.00
312.54	5211.3	26.0	311.93	-0.04
609.78	10132.2	26.0	609.04	-0.05
907.03	15045.9	26.0	906.45	-0.04
1204.32	19946.3	26.0	1203.78	-0.04
1501.56	24839.4	26.0	1501.41	-0.01
1204.29	19963.6	26.1	1204.83	0.04
907.11	15072.9	26.1	908.08	0.06
609.84	10162.3	26.1	610.85	0.07
312.55	5215.4	26.1	312.17	-0.03
14.60	282.2	26.1	15.06	0.03

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	321.40
29.00	309.10
24.00	293.13
18.50	276.87
15.00	265.23
4.50	241.76
1.00	229.79

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)

● 08-Oct-18 -0.00

