



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

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

SENSOR SERIAL NUMBER: 16565
CALIBRATION DATE: 26-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 10724578

COEFFICIENTS:

PA0 = 6.182875e-001
PA1 = 9.043473e-003
PA2 = -1.570930e-010
PTEMPA0 = -5.989522e+001
PTEMPA1 = 5.448857e-002
PTEMPA2 = -7.909322e-007

PTCA0 = 5.243790e+005
PTCA1 = 3.625130e+000
PTCA2 = -2.642752e-002
PTCB0 = 2.513146e+001
PTCB1 = -4.987531e-004
PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (counts)	INSTRUMENT OUTPUT (counts)
14.57	526003.4	1535.4	14.71	0.00	32.50	1740	526119.68
591.48	589808.0	1538.8	591.30	-0.01	29.00	1672	526120.80
1168.51	653819.2	1539.0	1168.48	-0.00	24.00	1576	526109.69
1745.75	717995.2	1540.0	1745.85	0.00	18.50	1470	526090.78
2322.86	782281.8	1540.8	2322.92	0.00	15.00	1403	526079.81
2900.02	846699.0	1542.2	2899.86	-0.01	4.50	1203	526047.78
2322.68	782266.8	1541.8	2322.79	0.00	1.00	1136	526039.91
1745.71	717992.4	1541.0	1745.83	0.00	TEMPERATURE (°C)		SPAN
1168.56	653824.4	1541.0	1168.53	-0.00			
591.35	589787.6	1540.4	591.12	-0.01			
14.56	525997.2	1541.0	14.65	0.00	-5.10		25.13
					35.00		25.11

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t²

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

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

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

