

Sea-Bird Scientific 13431 NE 20th Street Bellevue, WA 98005 USA +1 425-643-9866 seabird@seabird.com www.seabird.com

SENSOR SERIAL NUMBER: 3767 CALIBRATION DATE: 12-Apr-23

SBE 37 PRESSURE CALIBRATION DATA 1450 psia S/N 5756

COEFFICIENTS:

PA0 = 6.779824e-001 PTCA0 = -1.707943e+002
PA1 = 6.918869e-002 PTCA1 = 4.656467e-001
PA2 = -3.275093e-009 PTCA2 = 1.449014e-004
PTCB0 = 2.469425e+001
PTCB1 = -5.500000e-004

PTCB2 = 0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.52	38.6	20.9	14.49	-0.00	32.50	54.63
314.81	4358.5	21.2	313.45	-0.09	29.00	53.25
614.81	8712.4	21.2	614.64	-0.01	24.00	50.99
914.80	13051.5	21.3	914.68	-0.01	18.50	48.15
1214.83	17392.0	21.3	1214.70	-0.01	15.00	46.32
1464.77	21011.1	21.3	1464.76	-0.00	4.50	41.61
1214.66	17393.7	21.3	1214.82	0.01	1.00	40.02
914.67	13052.9	21.2	914.78	0.01		
614.65	8713.7	21.3	614.73	0.01	TEMPERATURE (°C)	SPAN
314.69	4378.2	21.3	314.81	0.01	-5.00	24.70
14.53	39.0	21.3	14.51	-0.00	35.00	24.68

 $x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t^2$

 $n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^{2})$

pressure (PSIA) = $PA0 + PA1 * n + PA2 * n^2$

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

