

SBE SEA-BIRD ELECTRONICS, INC.

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SBE S/N 194652-0775

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Pressure calibration: PAINE 211-75-710-02 500 psia S/N 164821

Temperature Compensation (TC) value = 410

Straight Line Fit:

$$\text{Pressure(psia)} = M * N + B \quad (N = \text{Binary output})$$

$$M = -0.06545 \quad B = 251.48$$

Quadratic Fit:

$$\text{Pressure(psia)} = A0 + A1 * N + A2 * N * N \quad (N = \text{binary output})$$

$$A0 = 250.97864 \quad A1 = -6.543771e-002 \quad A2 = 7.739929e-008$$

Pressure (psi)	Output (N)	Straight Line Fit		Quadratic Fit	
		error, psi	error, %FS	error, psi	error, %FS
14.70	<u>3626.96</u>	-0.594	-0.12	-0.043	-0.01
99.75	<u>2322.12</u>	-0.249	-0.05	-0.312	-0.06
199.74	<u>789.20</u>	0.097	0.02	-0.352	-0.07
299.73	<u>-742.18</u>	0.329	0.07	-0.141	-0.03
399.74	<u>-2265.13</u>	-0.005	-0.00	-0.136	-0.03
499.73	<u>-3783.67</u>	-0.615	-0.12	-0.051	-0.01
399.74	<u>-2271.05</u>	0.382	0.08	0.253	0.05
299.73	<u>-748.78</u>	0.763	0.15	0.293	0.06
199.72	<u>780.94</u>	0.651	0.13	0.201	0.04
99.74	<u>2314.85</u>	0.238	0.05	0.172	0.03
14.72	<u>3623.44</u>	-0.382	-0.08	0.166	0.03

Output binary values are averages of 101 samples taken at 2 Hz.

SEASOFT Versions 3.3M and higher will prompt for A0, A1, and A2

SEASOFT Versions 3.3L and lower will prompt for M and B