



Sea-Bird Electronics, Inc.

1808 136th Place NE, Bellevue, Washington 98005 USA
Website: <http://www.seabird.com>

FAX: (425) 643-9954

Tel: (425) 643-9866
Email: seabird@seabird.com

SBE S/N 194652-0775

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Pressure calibration: PAINE 211-75-710-02 500 psia S/N 164921

Temperature Compensation (TC) value = 410

Straight Line Fit:

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

$$M = -0.06545 \quad B = 251.59$$

Quadratic Fit:

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

$$A0 = 251.10376 \quad A1 = -6.543766e-002 \quad A2 = 7.392282e-008$$

Pressure (psi)	Output (N)	Straight Line Fit		Quadratic Fit	
		error, psi	error, %FS	error, psi	error, %FS
14.70	<u>3626.99</u>	-0.491	-0.10	0.034	0.01
99.78	<u>2322.40</u>	-0.191	-0.04	-0.252	-0.05
199.78	<u>789.47</u>	0.142	0.03	-0.286	-0.06
299.77	<u>-741.88</u>	0.371	0.07	-0.078	-0.02
399.75	<u>-2263.49</u>	-0.028	-0.01	-0.153	-0.03
499.74	<u>-3782.94</u>	-0.575	-0.11	-0.036	-0.01
399.76	<u>-2269.10</u>	0.333	0.07	0.209	0.04
299.77	<u>-746.88</u>	0.698	0.14	0.250	0.05
199.78	<u>782.83</u>	0.572	0.11	0.143	0.03
99.80	<u>2316.20</u>	0.199	0.04	0.136	0.03
14.76	<u>3625.62</u>	-0.456	-0.09	0.068	0.01

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