



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](mailto:seabird@seabird.com)

SBE S/N 193353-0436

19 November 2002

Pressure calibration: PAINE 211-75-710-02 500 psia S/N 195991

Temperature Compensation (TC) value = 44

Straight Line Fit:

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

$$M = -0.06514 \quad B = 250.48$$

Quadratic Fit:

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

$$A0 = 250.10542 \quad A1 = -6.512515e-002 \quad A2 = 5.696961e-008$$

Pressure (psi)	Output (N)	Straight Line Fit		Quadratic Fit	
		error, psi	error, %FS	error, psi	error, %FS
14.81	<u>3626.80</u>	-0.558	-0.11	-0.148	-0.03
99.92	<u>2316.70</u>	-0.333	-0.07	-0.379	-0.08
199.92	<u>777.11</u>	-0.058	-0.01	-0.392	-0.08
299.93	<u>-762.13</u>	0.197	0.04	-0.153	-0.03
399.93	<u>-2296.51</u>	0.136	0.03	0.038	0.01
499.93	<u>-3822.06</u>	-0.499	-0.10	-0.080	-0.02
399.93	<u>-2299.57</u>	0.331	0.07	0.235	0.05
299.93	<u>-767.63</u>	0.553	0.11	0.204	0.04
199.92	<u>768.04</u>	0.532	0.11	0.198	0.04
99.82	<u>2307.74</u>	0.348	0.07	0.299	0.06
14.81	<u>3620.42</u>	-0.149	-0.03	0.258	0.05

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