

SBE 194652-0775

29 July 1996

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

Temperature Compensation (TC) value = 410

Straight Line Fit:

Pressure(psia) = M * N + B (N = Binary output)

M = -0.06552 B = 251.71

Quadratic Fit:

Pressure(psia) = A0 + A1 * N + A2 * N * N (N = binary output)

A0 = 251.35236 A1 = -6.551436e-02 A2 = 5.538142e-08

Pressure (psi)	Output (N)	Straight Line Fit		Quadratic Fit	
		error, psi	error, %FS	error, psi	error, %FS
14.68	<u>3624.46</u>	-0.447	-0.09	-0.053	-0.01
99.97	<u>2323.30</u>	-0.486	-0.10	-0.530	-0.11
199.97	<u>791.16</u>	-0.091	-0.02	-0.411	-0.08
299.91	<u>-737.23</u>	0.104	0.02	-0.232	-0.05
399.89	<u>-2261.69</u>	0.012	0.00	-0.082	-0.02
499.89	<u>-3781.12</u>	-0.434	-0.09	-0.030	-0.01
399.91	<u>-2265.91</u>	0.272	0.05	0.179	0.04
299.93	<u>-744.66</u>	0.573	0.11	0.238	0.05
199.93	<u>779.18</u>	0.729	0.15	0.408	0.08
100.00	<u>2308.46</u>	0.462	0.09	0.413	0.08
14.68	<u>3621.65</u>	-0.261	-0.05	0.132	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