

SEA-BIRD ELECTRONICS, INC.

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Digiquartz Pressure Calibration dP/dT Corrected Coefficients

(Changed coefficients are posted in italics)

Pressure Transducer Serial Number: 157142 Original Calibration Date: 28-Aug-23 Date of Correction: 2023-10-04 Installed in: SBE 9Plus S/N 1549

PRESSURE COEFFICIENTS

<i>C1</i> <i>C2</i> C3	-51358.44 0.8263159 1.822700e-002	<i>psia</i> <i>psia/deg C</i> psia/deg C ²
D1 D2	3.741700e-002 0.000000e+000	
T1 T2 T3 T4 T5	29.87354 7.25366e-05 3.972850e-006 1.706510e-009 0.000000e+000	μsec μsec/deg C μsec/deg C ² μsec/deg C ³

Slope = 1.0Offset = 0.0

Corrected at Sea-Bird Electronics as per Paroscientific Calibration and Sea-Bird Electronics dP/dT tests. The original calibration from Paroscientific assumes an operating temperature range of 0 to 125 degrees C. dP/dT correction adjusts this operating range to a nominal range of 0 to 22 degrees C. This increases the accuracy of the transducer in this temperature range.

NOTE: Original coefficients from Paroscientific are attached to this form for informational purposes and should not be used.

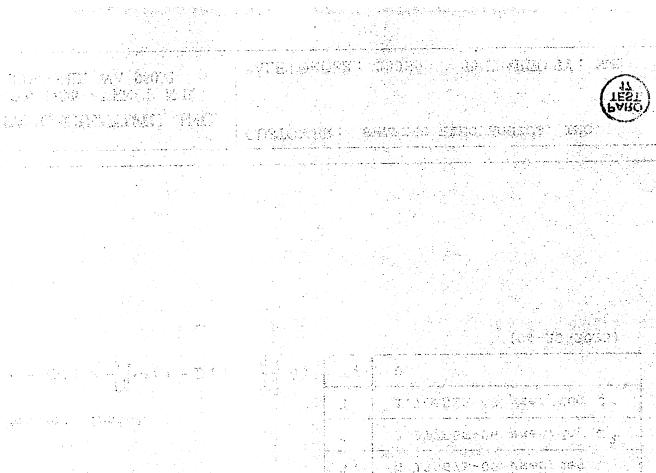
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COEFFICIENTS	CALIBRATION

PRESSURE TRANSDUCER

 SERIAL
 04-25-2023

 DATE :
 04-25-2023



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	0 Fo I25 deg C	6 to 10000 paia	4T0K-T34
PORT :	TEMP. RANGE :	PRESSURE RANGE :	WODE L :
4-52-5053 D: 12/145		IZDNCEK	CALIBRATION PRESSURE TRAN

BRESSURE COEFFICIENTS AT FIXED TEMPERATURE

(only valid at specified temperature)

 $T = pressure period (\mu sec)$

Pressure equation : (paia)

$$\mathbf{b} = \mathbf{C}(1 - \frac{\mathbf{L}_{5}}{\mathbf{L}_{5}^{0}})(1 - \mathbf{D}(1 - \frac{\mathbf{L}_{5}}{\mathbf{L}_{5}^{0}}))$$

Temperature: 21.0 C

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		714760.0		D
		ST'TEETS-	(piag)	С

(04-25-2023)

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	ELECTRONICS,	UAIEAE	CUSTOMER :	PAROSCIENTIFIC, INC.