

**CALIBRATION COEFFICIENTS**

SERIAL NO : **105120**

PRESSURE TRANSDUCER

DATE : 11-14-2007

MODEL : 46K-134	PRESSURE RANGE : 0 to 6000 psia	TEMP. RANGE : 0 to 125 deg C	PORT : oil filled
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**PRESSURE COEFFICIENTS**

U = temperature  
(deg C)

$$C = C_1 + C_2U + C_3U^2$$

$$D = D_1 + D_2U$$

$$T_0 = T_1 + T_2U + T_3U^2 + T_4U^3 + T_5U^4$$

T = pressure period  
(μsec)

Pressure : (psia)

$$P = C \left( 1 - \frac{T_0^2}{T^2} \right) \left( 1 - D \left( 1 - \frac{T_0^2}{T^2} \right) \right)$$

C <sub>1</sub>	-27430.19 psia
C <sub>2</sub>	-1.11776E-01 psia/deg C
C <sub>3</sub>	6.97326E-03 psia/deg C <sup>2</sup>

D <sub>1</sub>	0.037617
D <sub>2</sub>	0

T <sub>1</sub>	30.09817 μsec
T <sub>2</sub>	-3.02795E-04 μsec/deg C
T <sub>3</sub>	3.46983E-06 μsec/deg C <sup>2</sup>
T <sub>4</sub>	2.36139E-09 μsec/deg C <sup>3</sup>
T <sub>5</sub>	0

(11-14-2007)

**PAROSCIENTIFIC, INC.**

4500 148th AVENUE N.E.  
REDMOND, WA. 98052

CUSTOMER : SEABIRD ELECTRONICS, INC.

SALES ORDER : 24773

PREPARED BY : T.C.



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PRESSURE TRANSDUCER		DATE : <b>11-14-2007</b>	
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<b>PRESSURE COEFFICIENTS AT FIXED TEMPERATURE</b>					
(only valid at specified temperature)					
T = pressure period ( $\mu\text{sec}$ )					
Pressure equation : ( <b>psia</b> )					
$P = C \left(1 - \frac{T_0^2}{T^2}\right) \left(1 - D \left(1 - \frac{T_0^2}{T^2}\right)\right)$					
Temperature: <b>21.0 C</b>					
C ( <b>psia</b> )	<b>-27429.46</b>				
D	<b>0.037617</b>				
T <sub>0</sub> ( $\mu\text{sec}$ )	<b>30.09337</b>				
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