

CALIBRATION COEFFICIENTS

SERIAL NO : 94763

PRESSURE TRANSDUCER

DATE : 05-12-2004

MODEL :	PRESSURE RANGE :	TEMP. RANGE :	PORT :
410K-105	0 to 10000 psia	0 to 125 deg C	oil filled

CHANGED 05 MAY 05 AS PER PAROSCIENTIFIC
CALIBRATION AND DP/DT TESTS.C1: -46179.92
C2: -0.7341121
T1: 30.17251
T2: -4.619284E-04**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 ₁	-46179.56 psia
C ₂	-7.42302E-01 psia/deg C
C ₃	1.34047E-02 psia/deg C ²

D ₁	0.037588
D ₂	0

T ₁	30.17262 μsec
T ₂	-4.64401E-04 μsec/deg C
T ₃	4.10873E-06 μsec/deg C ²
T ₄	5.34372E-10 μsec/deg C ³
T ₅	0

(05-12-2004)

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CUSTOMER : SEABIRD ELECTRONICS, INC.

SALES ORDER : 20713

PREPARED BY : WMR

