

CTD s/n 09P10779-0363

CTD #2
02: #130364

CALIBRATION COEFFICIENTS

SERIAL NO: 58808

PRESSURE TRANSDUCER

DATE: 08-09-1994

MODEL: 410K-105	PRESSURE RANGE: 0 to 10000 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 ₁	-45838.44 psia
C ₂	-1.96344E-01 psia/deg C
C ₃	1.27804E-02 psia/deg C ²

D ₁	0.037796
D ₂	0

T ₁	30.10293 μsec
T ₂	-2.93260E-04 μsec/deg C
T ₃	3.61082E-06 μsec/deg C ²
T ₄	3.74863E-09 μsec/deg C ³
T ₅	0

(08-09-1994)

$$M = 1.141E-2$$

$$B = -8.428130$$

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CUSTOMER: SEABIRD ELECTRONICS, INC.

SALES ORDER: 8213

PREPARED BY: T.C.

