

CTD S/N 09P8531-0367

CTD #1  
02-#130353

**CALIBRATION COEFFICIENTS**

SERIAL NO: 50619

PRESSURE TRANSDUCER

DATE: 04-05-1994

MODEL: 410K-105	PRESSURE RANGE: 0 to 10000 psia	TEMP. RANGE: 0 to 125 deg C	PORT: oil filled
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Changed 24 June 94 as per Paroscientific calibration. (dP/dT corrected to -23°C)

C1: -40105.25  
C2: .6815307  
T1: 30.29263  
T2: -5.273358e-05

**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>	<del>-40106.50</del> psia
C <sub>2</sub>	<del>7.35889E-01</del> psia/deg C
C <sub>3</sub>	1.28865E-02 psia/deg C <sup>2</sup>

D <sub>1</sub>	0.039747
D <sub>2</sub>	0

T <sub>1</sub>	<del>30.29219</del> μsec
T <sub>2</sub>	<del>-3.38432E-05</del> μsec/deg C
T <sub>3</sub>	4.37835E-06 μsec/deg C <sup>2</sup>
T <sub>4</sub>	2.06507E-09 μsec/deg C <sup>3</sup>
T <sub>5</sub>	0

Module Board #214 (04-05-1994)  
M = 1.15E-2 PRIOR TO 3/96  
B = -8.528

Module Board #313  
M = 1.125E-2 AFTER 3/96  
B = -8.829

**PAROSCIENTIFIC, INC.**

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

CUSTOMER: SEABIRD ELECTRONICS, INC.

SALES ORDER: 7668

PREPARED BY: T.C.

PARO  
TEST  
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