

# CALIBRATION COEFFICIENTS

PRESSURE TRANSDUCER

SERIAL NO: 42423

DATE: 05-17-1994

MODEL: 415K-187	PRESSURE RANGE: 0 to 15000 psia	TEMP. RANGE: 0 to 50 deg C	PORT: oil filled
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Changed 23 May 94 as per Paroscientific calibration. (dP/dT corrected to -23°C)

C1: -69582.91  
C2: -1.619244  
T1: 28.12082  
T2: -4.595919e-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 <sub>1</sub>	<del>-69581.53</del> psia
C <sub>2</sub>	<del>-1.679935E+00</del> psia/deg C
C <sub>3</sub>	2.34327E-02 psia/deg C <sup>2</sup>

D <sub>1</sub>	0.029679
D <sub>2</sub>	0

T <sub>1</sub>	<del>28.12108</del> μsec
T <sub>2</sub>	<del>-4.70997E-04</del> μsec/deg C
T <sub>3</sub>	3.89464E-06 μsec/deg C <sup>2</sup>
T <sub>4</sub>	0
T <sub>5</sub>	0

(05-17-1994)

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CUSTOMER: SEABIRD ELECTRONICS, INC.

SALES ORDER: 7880

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