



CALIBRATION CERTIFICATE

UNIT UNDER TEST (UUT)

Manufacturer : GE Druck
 Part Number : RPS8100-TA-A2-CC-H0-PG
 Serial Number : 3331765
 Pressure Range : 0 to 2 bar a
 Calibrated Range : 0.035 to 2 bar a
 Temperature Range : -10°C to +50°C
 Calibration Date : 11 April 2012
 Pressure Connector : 1/8 NPT Male

PERFORMANCE DATA

Max. Error in data : -0.00005 bar
 : Spec ±0.00020 bar
 Freq. @ 1000 mbar 25°C : 30853.969 Hz
 Frequency Range : 28402 to 33187 Hz
 Ave. Pressure Sensitivity : 2.393 Hz/mbar
 : Spec 2.000 to 5.000 Hz/mbar
 Diode Voltage Range : 485 to 609 mV
 Nom. Diode Sensitivity : -2.07 mV/°C
 : Spec -2.60 to -1.60 mV/°C

ELECTRICAL CONNECTOR

Electrical Connector : None (Flying Leads)
 Red : +ve Supply
 Yellow : Frequency
 Green : +ve Temp
 Blue : Ground
 Black : -ve Temp

POLYNOMIAL

$$\text{Pressure} = \sum_i \sum_j K_{ij} \cdot x^i \cdot y^j$$

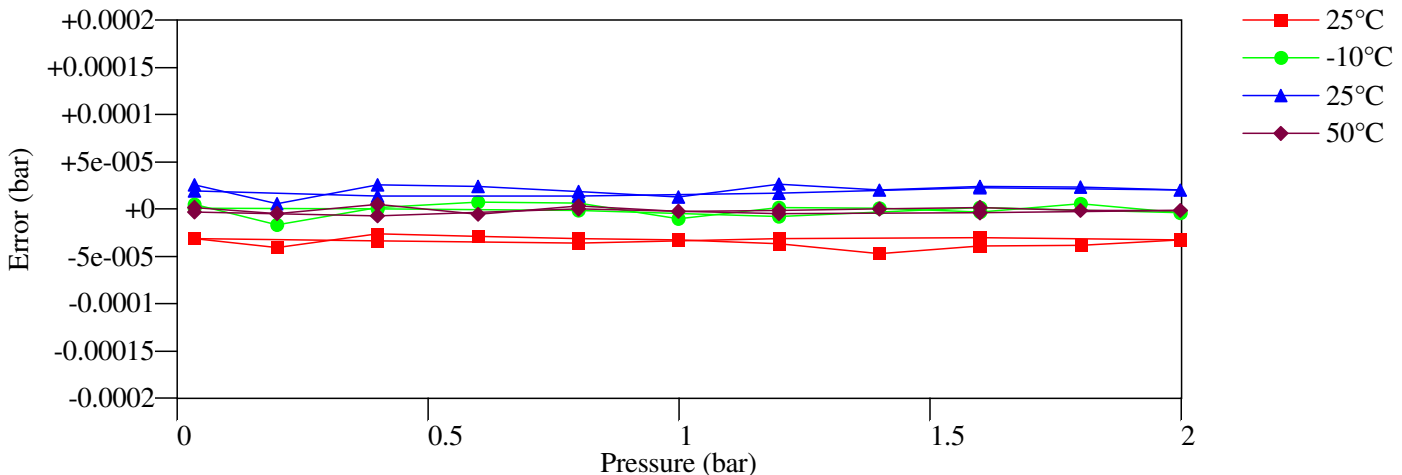
for $i = 0$ to 4, $j = 0$ to 3

Pressure = bar
 x = Frequency Output (Hz) - X'
 y = Temperature Signal (mV) - Y'

COEFFICIENTS

K00: 9.250113e-001	K10: 4.117069e-004	K20: 7.558467e-009	K30: 6.209466e-014	K40: 3.431921e-019
K01: -1.228961e-004	K11: -4.969522e-010	K21: -9.642504e-014	K31: -6.589387e-018	K41: 2.593034e-021
K02: 6.073571e-008	K12: -5.905491e-013	K22: -1.336979e-016	K32: -2.773329e-020	K42: -1.050005e-023
K03: -1.002278e-009	K13: -1.551412e-014	K23: 1.116226e-017	K33: 9.785730e-022	K43: -9.105120e-025
X': 3.067392e+004	Y': 5.405574e+002			

RESIDUAL ERRORS AGAINST PRESSURE



Certified by:

Date:

NOTES

(*1) Graphs shown are of extreme temperatures and maximum +ve and -ve deviations

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