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Piezoresistive Pressure Sensor Calibration

Type	4260M070	**Certificate ID #**	4813657-151229T1528
Serial Number	4813657	**Calibration Technician**	Chris Prell
Manufacturer	Kistler	**Date/Time**	12/29/2015 3:28:55 PM
Pressure Range	0 to 1500 PSI	**Span**	mV/V 9.896
Reference	Absolute	**Offset**	mV/V 1.076
Test Condition	New	**Supply Voltage**	V 9.995

Non-Linearity, Hysteresis, and Repeatability (NLHR)

P (PSI)	Output (mV/V)	BFSL Error (%)
0.0	1.0756	0.015
375.0	3.5471	-0.010
750.0	6.0207	-0.013
1125.0	8.4956	-0.002
1500.0	10.9712	0.011
750.0*	6.0210	0.003
0.0*	1.0756	0.000

*** Decreasing Pressure**

Summary:

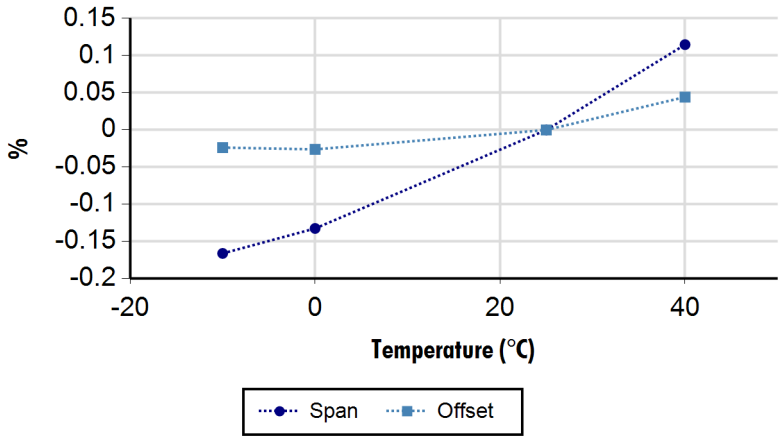
Envrionmental Conditions

Temperature	°C	22 ± 4
Relative Humidity	%	30 ± 30

Temperature Performance

Temperature (°C)	Span Error (%)	Offset Error (%)
-8.7	-0.166	-0.024
-0.1	-0.132	-0.026
25.0	0.000	0.000
40.1	0.115	0.044

Error Calculation	Unit
NLHR limits are based on	% span
Temperature Performance limits are based on	% span
Span & Offset limits are based on	% span



Reference Equipment

Type	S/N

This sensor was calibrated per Kistler test procedure 680-0000-701 using a comparison technique against a Kistler working standard. Kistler working standards are periodically calibrated against a primary standard system, which in turn is periodically recertified to the National Institute of Standards and Technology (NIST) or another recognized national standard. Measurements are derived from accepted values of natural physical constants according to the International System of Units (SI). This calibration meets or exceeds the requirements of MIL-STD-45662A, ISO 9001, ANSI/NCSL Z540-1 and is accredited to ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation Board/ACLASS. Refer to certificate and Scope of Accreditation AC-1117. Estimated uncertainty of this calibration is ±0.2% of pressure range for voltage output sensors or ±0.25% of pressure range for current output sensors with respect to the primary standard. Certificates are on file at Kistler and may be requested in writing. This certificate shall not be reproduced, except in full, without written approval of Kistler Instrument Corporation.