



Piezoresistive Pressure Sensor Calibration

Туре	4260M091	Certificate ID #	5291966-181210T1254 Grover Walker 12/10/2018 12:54:58 PM	
Serial Number	5291966	Calibration Technician		
Manufacturer	Kistler	Date/Time		
Pressure Range	0 to 1500 PSI	Span	mV/V	9.955
Reference	Absolute	Offset	mV/V	0.914
Test Condition	New	Supply Voltage	V	9.993

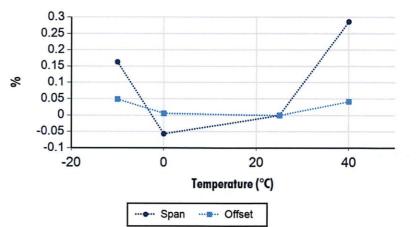
Non-Linearity,	Hysteresis, and Re	peatability (NLHR)	Summary:
P (PSI)	Output (mV/V)	BFSL Error (%)	
0.0	0.9143	0.021	
375.0	3.3997	-0.014	
750.0	5.8883	-0.016	
1125.0	8.3780	-0.009	
1500.0	10.8694	0.018	
750.0*	5.8888	0.005	
0.0*	0.9144	0.001	Envrionmental Condition
* Doctorsing P	Proceuro		Temperature
* Decreasing Pressure		Relative Humidity	

Envrionmental Conditions		11,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Temperature	°C	22 ± 4	
Relative Humidity	%	30 ± 30	

Temperature Performance

Temperature (°C)	Span Error (%)	Offset Error (%)
-9.9	0.163	0.049
1.4	-0.056	0.006
25.0	0.000	0.000
40.0	0.287	0.042

Unit	
% span	
% span	
% span	



Reference Equipment

 Type
 S/N

 Agilent 34970A
 MY44021689

 Mensor Barometer
 680941

 Mensor CPC6000
 611879

 Mensor Module 1500 psi
 831108

This sensor was calibrated per Kistler test procedure 300.002.750 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 ISO 9001:2015, ANSI/NCSL Z540-1-1994 (R2002) and is accredited to ISO/IEC 17025:2017 as verified by the ANSI-ASQ National Accreditation Board/ANAB. 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.