



# PRESSURE TRANSDUCER TEST REPORT

MODEL 8510B-1

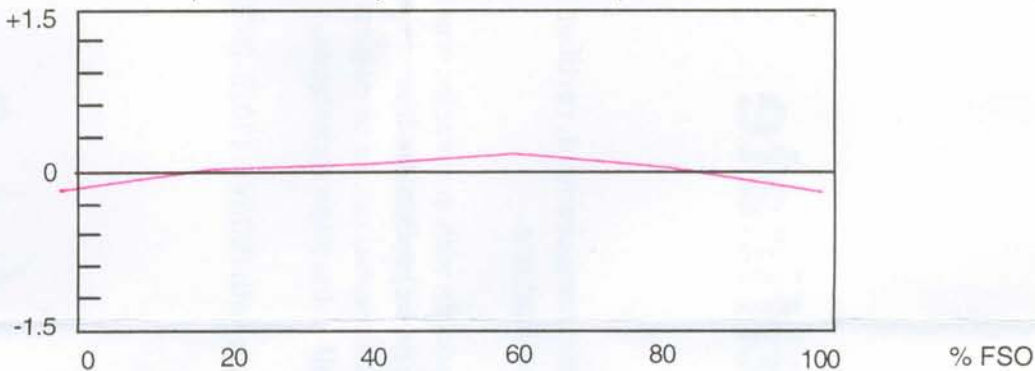
SERIAL # 11117

Range	6.	kPa	1	psig
Sensitivity	23.8	mV/kPa	164.2	mV/psi
Excitation			10.00	Vdc
Zero Pressure Output			-2	mV
Full Scale Output			164	mV
Non-Linearity			.19	%FSO
Hysteresis			.05	%FSO
Non-Repeatability			.1	%FSO
Combined Lin., Hyst., & Rep.*			.21	%FSO
Thermal Zero Shift			1.1	%FSO
Zero Shift After 3 X FSO			.01	% 3 X FSO
Thermal Sensitivity Shift			1.51	%
Input Resistance			1739	$\Omega$
Output Resistance			1479	$\Omega$
Isolation Resistance			>100	M $\Omega$

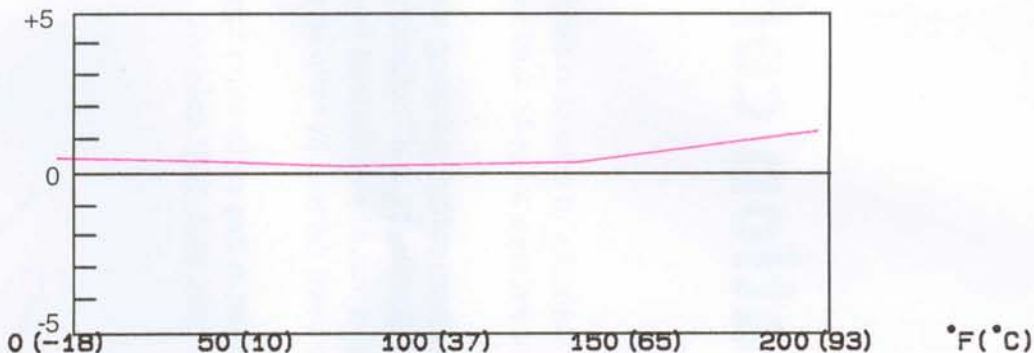
\*RSS

Ambient temperature and humidity of console are within acceptable levels of 65°F and 85°F and 30% RH and 70% RH.

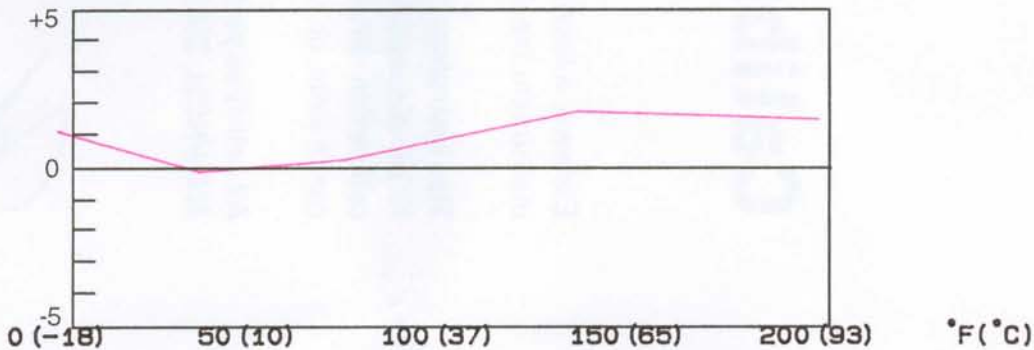
**NON-LINEARITY**  
(% FSO)



**THERMAL ZERO SHIFT**  
(% FSO)



**THERMAL SENSITIVITY SHIFT**  
(%)



BY Tre

DATE 7 AUG 06

$\Sigma 22$  AUG 8 '06

Uncertainty estimate (95% confidence, K = 2) is 0.2% of Full Scale.

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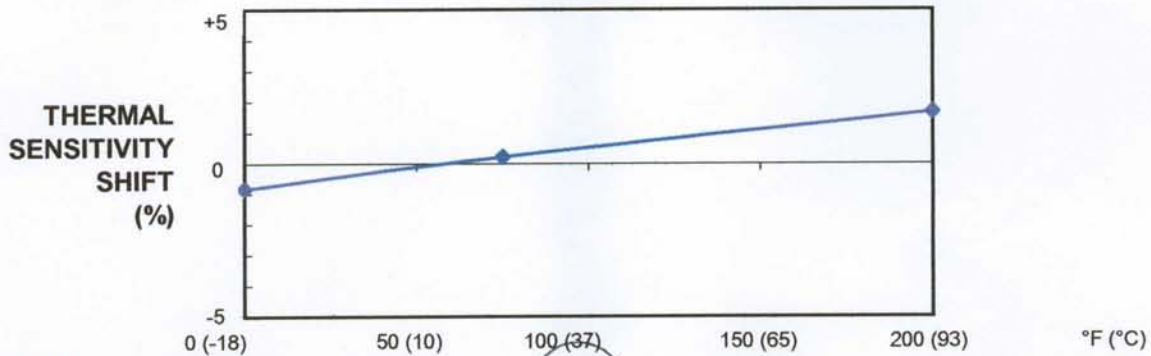
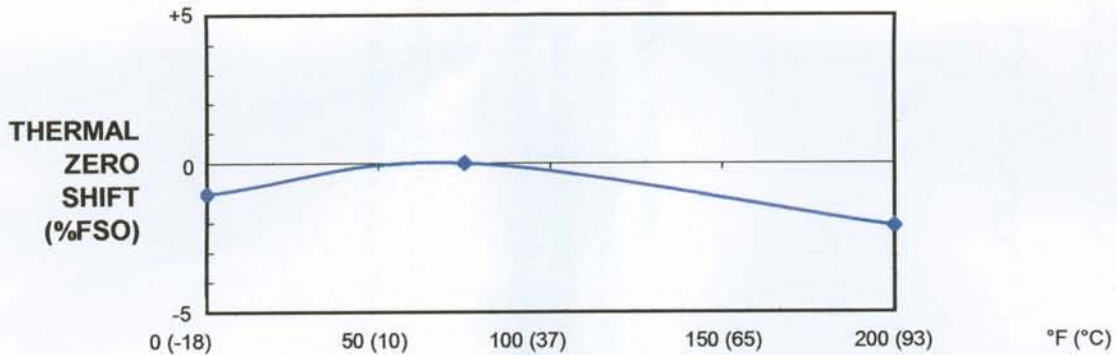
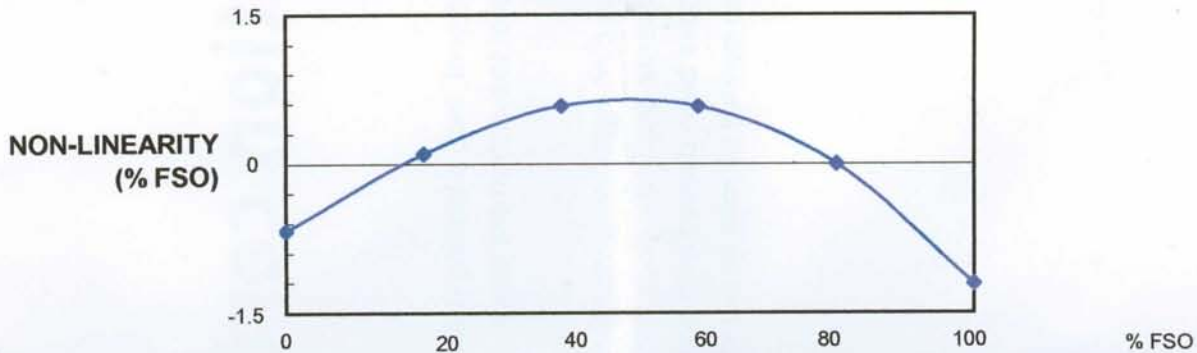
# PRESSURE TRANSDUCER TEST REPORT

MODEL **8510B-1**

SERIAL# **25411**

Range	<b>6.89 kPa</b>	<b>1 psig</b>
Sensitivity	<b>28.951 mV/kPa</b>	<b>199.61 mV/Psi</b>
Excitation		<b>10 Vdc</b>
Zero Pressure Output		<b>4.10 mV</b>
Full Scale Output		<b>199.6 mV</b>
Non-Linearity		<b>1.21% FSO</b>
Hysteresis		<b>0.04% FSO</b>
Non-Repeatability		<b>0.02% FSO</b>
Combined Lin., Hyst., & Rep.*		<b>1.21% FSO</b>
Thermal Zero Shift		<b>2.09% FSO</b>
Zero Shift After	<b>3 x FSO</b>	<b>0.00 3 x FSO</b>
Thermal Sensitivity Shift		<b>2.53% %</b>
Input Resistance		<b>1744 Ω</b>
Output Resistance		<b>1517 Ω</b>
Isolation Resistance		<b>&gt;100 MΩ</b>
*RSS		

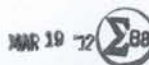
Ambient temperature and humidity of console are within acceptable levels of 65°F and 85°F and 30% RH and 70% RH.



BY: D.V.



DATE 3/13/2012



Uncertainty estimate (95% confidence, K=2) is 0.2% of Full Scale.

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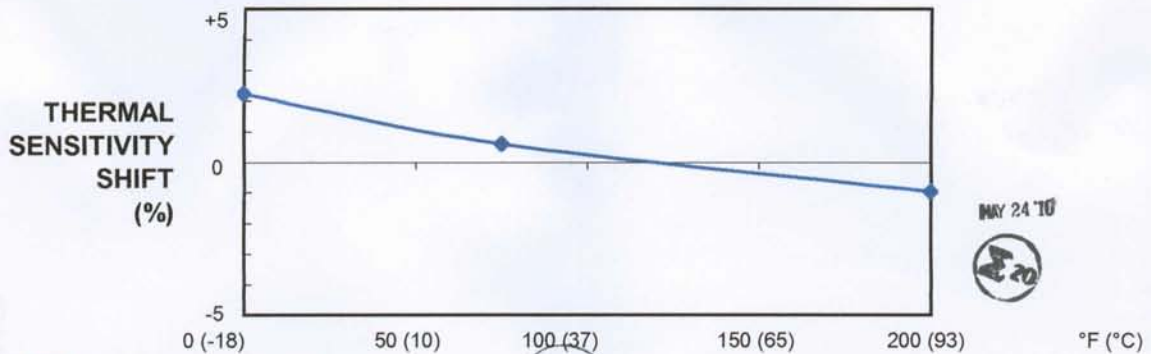
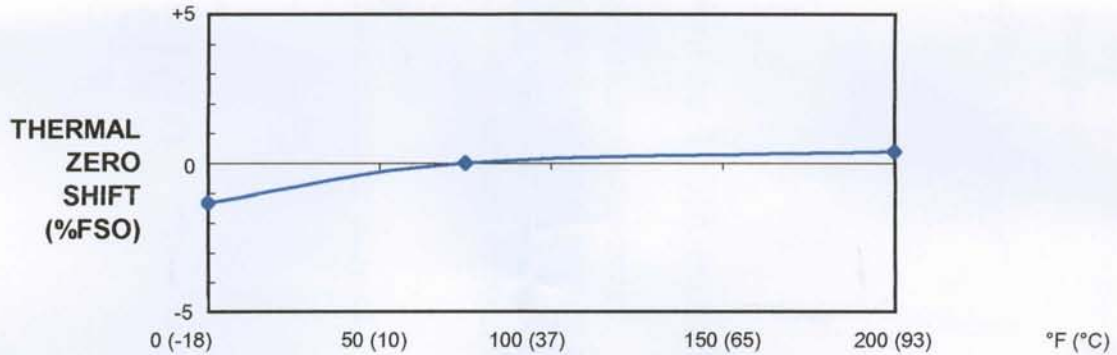
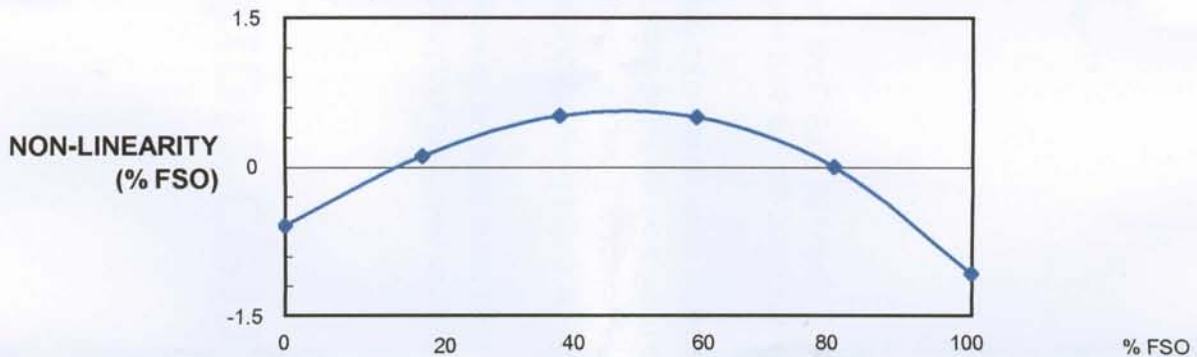
# PRESSURE TRANSDUCER TEST REPORT

MODEL **8510B-1**

SERIAL# **10627**

Range	<b>6.89 kPa</b>	<b>1 psig</b>
Sensitivity	<b>27.586 mV/kPa</b>	<b>190.20 mV/Psi</b>
Excitation		<b>10 Vdc</b>
Zero Pressure Output		<b>2.41 mV</b>
Full Scale Output		<b>190.2 mV</b>
Non-Linearity		<b>1.08% FSO</b>
Hysteresis		<b>0.01% FSO</b>
Non-Repeatability		<b>0.01% FSO</b>
Combined Lin., Hyst., & Rep.*		<b>1.08% FSO</b>
Thermal Zero Shift		<b>1.33% FSO</b>
Zero Shift After	<b>3 x FSO</b>	<b>0.00 3 x FSO</b>
Thermal Sensitivity Shift		<b>2.22% %</b>
Input Resistance		<b>1317 Ω</b>
Output Resistance		<b>1199 Ω</b>
Isolation Resistance		<b>&gt;100 MΩ</b>
*RSS		

Ambient temperature and humidity of console are within acceptable levels of 65°F and 85°F and 30% RH and 70% RH.



BY: DV



DATE 5/21/2010



Uncertainty estimate (95% confidence, K=2) is 0.2% of Full Scale.

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