TROEMNER
Troemner, LLC

ISO/IEC 17025 Calibration Certificate

NVLAP CALIBRATION NVLAP LAB CODE 105013-0

201 Wolf Drive • P.O. Box 87 • Thorofare, NJ 08086-0087 • Phone: 856-686-1600 • Fax: 856-686-1601 • www.troemner.com • e-mail: troemner@troemner.com

SECTION 1: NAME AND ADDRESS OF CUSTOMER

End User
Troemner
201 Wolf Drive
Thorofare N.J. 08086

Client
Troemner
201 Wolf Drive
Thorofare N.J. 08086

SECTION 2: APPROVED SIGNATORY

Lynn Dickerson : Metrologist

SECTION 3: PERSON PERFORMING WORK

Malcolm Jones

SECTION 4: CERTIFICATE INFORMATION

Description of DUT	: Pressure Indictor & Sensor	Pressure Comparison	
Order Number	: 123456	Serial Number	: 41234 & PPM-1234
Manufacturer	: Heise & Ashcroft	Certificate Number	: 12345-LowPRESS
Model	: PM & PPM-1	Date of Calibration	: May 03 2017
Range	: -12.500 to 12.500 inH_2O	Date Received	: Apr 28 2017
Measurement Mode	: Differential	Date Issued	: May 03 2017

SECTION 5: ENVIRONMENTAL CONDITIONS DURING TEST

Temperature: 21.54 C Ambient Pressure: 759.4 mmHg Relative Humidity: 40.2 %RH

SECTION 6: PERTINENT INFORMATION

STANDARDS

Manufacturer	Model	Serial Number	Range	Cal. Due Date
Ruska	7250LP	68263	0.0000 to 30.0000 inH_2O	Nov 01 2017

The gauge calibrated for this report has been calibrated in accordance with Troemner's calibration procedure. PCP-CAL.

This calibration also meets specifications as outlined in ISO/IEC 17025, ANSI/NCSL Z540-1-1994, and applicable documents.

This comparison calibration was performed in Troemner's Pressure Certification Laboratory at 201 Wolf Drive, Thorofare, NJ 08086. This unit was compared to laboratory standards, which are traceable to the International System of Units (SI) through Fluke Calibration Labs.

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Pressure Calibration
Serial Number : 41234 & PPM-1234
Certificate Number : 12345-LowPRESS
Date of Calibration : May 03 2017

SECTION 7: CALIBRATION DATA

DUT Tolerance (0.06 %Span)

As Found / As Left Data:

Test Point	Reference Pressure	DUT Pressure	Error	DUT Tolerance	Status
	inH_2O 20C	inH_2O 20C	inH_2O 20C	inH_2O 20C	
1	-12.4999	-12.4977	0.0022	0.0145	Pass
2	-7.4999	-7.4989	0.0010	0.0145	Pass
3	-2.5002	-2.4991	0.0011	0.0145	Pass
4	2.4997	2.4985	-0.0012	0.0145	Pass
5	7.4997	7.4999	0.0002	0.0145	Pass
6	12.4997	12.5030	0.0033	0.0145	Pass
7	7.4997	7.4981	-0.0016	0.0145	Pass
8	2.4999	2.4996	-0.0003	0.0145	Pass
9	-2.5001	-2.4989	0.0012	0.0145	Pass
10	-7.4995	-7.4990	0.0005	0.0145	Pass
11	-12.5000	-12.4989	0.0011	0.0145	Pass

Uncertainty of the Measurement : 0.0028inH_2O

The uncertainty is an error in pressure due to the measurement process, and is calculated per NIST Technical Note 1297 using a coverage factor of k = 2 (k = 2 defines an interval having a level of confidence of approximately 95 percent).

SECTION 8: ADDENDUM

Instrument ID: L1234

DUT was zeroed prior to collecting data.

Unit Converstion: 1 inH_2O@20C = 0.24864 kPa

Next Calibration Due: Nov 03 2017