



Calibration / Service Certificate

No. 712730



Customer Name: **SENSOR PROS SENSORS & INSTRUMENTATION**
 Customer Address: **3245 VIA MARIN** AGI W O # : **65810**
LA JOLLA, CA 92037 Cust P O # : **PO-313J-1**

This certificate applies only to the item specified below and shall not be reproduced, except in full, without prior written approval from American Gage.

Equipment Serviced

Description: **PRESSURE TRANSDUCER** Asset/ID: **11207485**
 Manufacturer: **DRUCK** Serial: **11207485**
 Model: **PMP5063-TC-A2-CA-H0-PE** Range/Size: **0-2000 PSIA, 0-5 VDC**

Service Information

Tolerance/Accuracy: $\pm 0.1\%$ FS BSL As Received Condition: **WITHIN SPECS**
 Procedure: **33K6-4-1425-1** As Returned Condition: **WITHIN SPECS**
 Service Location: **AG LAB** Cal/Service Result: **PASS**
 Performed By: **26 B HOPPE** Cal/Service Interval: **12 MONTHS**
 Temperature: **21 °C** Cal/Service Date: **3/15/2019**
 Humidity: **44 %R.H.** Customer Req. Due: **3/15/2020**

Standards Employed

Standard	Manufacturer	Model	Description	Specifications	Cal Due	Trace No.
241	RUSKA	7215I	PRESSURE STANDARD	MFR SPECS	4/23/2019	RPV14-0423/241-18
248	HART SCIENTIFIC	2626-S	Temperature & Humidity Sensor	MFR SPECS	8/17/2019	RTH7-0817/248-18
584	AGILENT	3458A	DIGITAL MULTIMETER	MFR SPECS	2/19/2020	REL17-0219/584-19
850	FLUKE	7250xi	Pressure Controller/Calibrator	-14-2500 PSI	1/9/2020	RPV1-0109/850-19

Remarks

See one (1) page of attached Calibration Data Report for further details.

Sample Calibration Certificate only.

American Gage certifies: This service was performed in accordance with industry accepted methods. The American Gage quality system has received a Certificate of Accreditation for compliance with the ISO/IEC 17025 (which includes applicable ISO9001:2008 requirements). The calibration system is designed to comply as required with ANSI/NCSL Z540, ISO 10012, the former MIL-STD-45662A, and or contractual requirements. The instrument serviced, unless otherwise specified, was verified for conformance and meets accepted industry and/or manufacturer specifications and was calibrated/serviced employing, as required, standards/instruments traceable to the National Institute of Standards and Technology (NIST) and/or accepted industry standards. Any test accuracy ratio (TAR) less than 4:1 that is not an industry and/or a manufacturer accepted ratio appears in the remarks section, uncertainties reported are at a coverage factor of k=2 at approximately a 95% confidence level. The content of this report was reviewed and approved, as indicated below, by an authorized American Gage Quality Assurance representative.

Performed by:
26 B HOPPE

3/15/2019

Bart Hoppe
26

Reviewed and Issued by:
Bart Boucher

Issue Date: 3/14/2019

Bart Boucher



**Sample
Calibration Data Report**

Druck PMP5063-TC-A2-CA-H0-PE (0 to 2000 PSIA)

ID Number:	11207485	Work Order:	712730
Serial No.:	11207485	Date Calibrated:	03/15/19
Input:	0 to 2000 PSIA	Calibration Gas:	N2
Output:	0 to 5 VDC	Excitation:	24 VDC
BFSL Tolerance (±):	0.10% FS	Ambient Pressure:	14.60 PSIA

Applied PSIA	Nominal VDC	UUT Output VDC	mV/PSIA mV	Lo Limit VDC	Hi Limit VDC	BFSL VDC	BFSL FS Error %	Result Pass/Fail
14.60	0.0000	0.0363	2.49	0.0301	0.0401	0.0351	-0.02%	Pass
400.00	1.0000	0.9980	2.50	0.9933	1.0033	0.9983	0.01%	Pass
800.00	2.0000	1.9970	2.50	1.9929	2.0029	1.9979	0.02%	Pass
1200.00	3.0000	2.9965	2.50	2.9925	3.0025	2.9975	0.02%	Pass
1600.00	4.0000	3.9969	2.50	3.9921	4.0021	3.9971	0.00%	Pass
2000.00	5.0000	4.9979	2.50	4.9917	5.0017	4.9967	-0.02%	Pass
1200.00	3.0000	2.9965	2.50	2.9925	3.0025	2.9975	0.02%	Pass
14.60	0.0000	0.0355	2.43	0.0301	0.0401	0.0351	-0.01%	Pass

