

Calibration Certificate

Accredited Calibration



Cal Cert ID: 190694

Cust. Name: WASHINGTON STATE PATROL
Address: 2700 116TH STREET NE
City: MARYSVILLE
State/Zip: WA 98271 US

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Instr SN: 4100060K/651371 Out1 Min Range: 8.0000 psi ✓
Instr Descr: CPG 2400 Out1 Max Range: 17.0000 psi ✓
Sensor SN: 4100060K/651371 Limit of Error: 0.030% R ✓
Sensor Descr: Silicon Pressure Transducer
Procedure ID: WIO2063 Pressure Type: Absolute

Cal Date: 02/04/2021 ✓
Cal Time: 5:46 pm
Issue Date: 02/04/2021
Cal Tech: CRISK
Order Nbr: 37085

Test Points Values and Readings

Test Point #	Reference Value PSI	Measured Values psi	Error % R	Uncertainty psi
1	8.00134	8.0015	0.0021	1.8E-4
2	9.80118	9.8014	0.0023	2.2E-4
3	11.60100	11.6013	0.0026	2.6E-4
4	13.40082	13.4011	0.0021	2.9E-4
5	15.20070	15.2009	0.0013	3.3E-4
6	17.00062	17.0007	0.0005	3.7E-4
7	15.20067	15.2010	0.0021	3.3E-4
8	13.40085	13.4010	0.0011	2.9E-4
9	11.60094	11.6012	0.0022	2.6E-4
10	9.80113	9.8013	0.0017	2.2E-4
11	8.00131	8.0014	0.0011	1.8E-4

Measurement Standards Used in Calibration

Std Type	Serial Number	Description	Assoc. Test Reports	Recal Date
CPD 8000	10017/10016/9994	DH CPD 8000	CAL ID: 159795	12/11/2021

The combined and expanded uncertainty is reported at K=2 providing an approximate 95% confidence level.

Remarks and Notes

As Left Calibration.

Recalibration Date: 02/04/2022 ✓

An asterisk (*) denotes a measured condition where the error exceeds the maximum permissible error.

Dash numbers preceded by the sensor SN reference a primary (-1) or turndown (-2) range as applicable.

The standards and calibration program at Mensor complies with the requirements of ISO/IEC 17025:2017, ANSI/NCSL Z540-1 and Mensor Management Manual MM 3.0, Revision C, dated November 18, 2020.

Metrological traceability is established through accreditation by the American Association for Laboratory Accreditation (A2LA), a signatory subject to the International Laboratory Accreditation Cooperation (ILAC) Arrangement. All calibrations are performed in ambient conditions of 23 +/- 4 deg C and 20-80% relative humidity.

The results reported herein relate only to the item calibrated. This calibration certificate shall not be reproduced, except in full, without the written approval of Mensor.

Transducer was calibrated in a horizontal position.

Handwritten signature and date:
02/24/2021



Cal Cert ID: 190694

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I, Christina Kloesel, certify the accuracy of this Calibration Certificate:

Christina Kloesel

Calibration Lab Technician

Mensor Calibration Certificates and Stickers

Mensor calibration certificates and stickers do not contain calibration intervals unless specified by the customer, as Mensor will not dictate to our customers when they should re-calibrate their instruments.

The Calibration Sticker that is with this product is for your records. Due to the various location requirements of our customers, we do not affix the Calibration Sticker to the product.

For Mensor products, refer to the Calibration Section of your operation manual for the recommended calibration interval.

Does NOT meet
11.2 specifications.
SHOWS CALIBRATION
WAS RUN AND THAT
CALIBRATION CERTIFICATE
IS CORRECT.
7KW #526
02/24/2021



Calibration Certificate

Accredited Calibration



Calibration Lab
Cert 2066.01

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Instr SN: 4100060K/651371 Out1 Min Range: 8.0000 psi
Instr Descr: CPG 2400 Out1 Max Range: 17.0000 psi
Sensor SN: 4100060K/651371 Limit of Error: 0.030% R
Sensor Descr: Silicon Pressure Transducer
Procedure ID: WI02063 Pressure Type: Absolute

Cal Date: 02/04/2021
Cal Time: 4:50 pm
Issue Date: 02/04/2021
Cal Tech: CRISK
Order Nbr: 37085

Recal
@ 05:46pm
7KW #526
02/24/2021

Test Points Values and Readings

Test Point #	Reference Value PSI	Measured Values psi	Error % R	Uncertainty psi
1	8.00133	8.0014	0.0009	1.8E-4
2	9.80112	9.8017	0.0060	2.2E-4
3	11.60091	11.6018	0.0077	2.6E-4
4	13.40079	13.4020	0.0090	2.9E-4
5	15.20061	15.2022	0.0105	3.3E-4
6	17.00058	17.0024	0.0107	3.7E-4
7	15.20062	15.2022	0.0104	3.3E-4
8	13.40074	13.4020	0.0094	2.9E-4
9	11.60088	11.6017	0.0070	2.6E-4
10	9.80108	9.8016	0.0053	2.2E-4
11	8.00127	8.0014	0.0016	1.8E-4

Measurement Standards Used in Calibration

Std Type	Serial Number	Description	Assoc. Test Reports	Recal Date
CPD 8000	10017/10016/9994	DH CPD 8000	CAL ID: 159795	12/11/2021

The combined and expanded uncertainty is reported at K=2 providing an approximate 95% confidence level.

Remarks and Notes

As Found Calibration.

An asterisk (*) denotes a measured condition where the error exceeds the maximum permissible error.

Dash numbers preceded by the sensor SN reference a primary (-1) or turndown (-2) range as applicable.

The standards and calibration program at Mensor complies with the requirements of ISO/IEC 17025:2017, ANSI/NCSL Z540-1 and Mensor Management Manual MM 3.0, Revision C, dated November 18, 2020.

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Transducer was calibrated in a horizontal position.

Prior to the as-found calibration, the zero was adjusted 0.0003 psi.



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I, Christina Kloesel, certify the accuracy of this Calibration Certificate:

Christina Kloesel

Calibration Lab Technician

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