mensor

Calibration Certificate
Accredited Calibration

ACCREDITED
Calibration Lab
Cert 2066.01

Cal Cert ID: 163804

Cust. Name: WASHINGTON STATE PATROL
Address: 11018 NE 51ST CIRCLE
City: VANCOUVER
State/Zip: WA 98682 US

Instr SN: 410004SV/651311
Instr Descr: CPG 2400
Sensor SN: 410004SV/651311
Sensor Descr: Silicon Pressure Transducer
Procedure ID: WI02063

Out1 Min Range: 8.0000 psi
Out1 Max Range: 17.0000 psi
Limit of Error: 0.030% R
Pressure Type: Absolute

Cal Date: 04/01/2019
Cal Time: 8:49 am
Cal Tech: SALLYG
Order Nbr: 27898

Test Points Values and Readings

Test Point #	Reference Value PSI	Measured Values psi	Error % R	Uncertainty psi
1	8.00451	8.0043	-0.0027	.00018
2	9.80437	9.8047	0.0033	.00022
3	11.60421	11.6049	0.0060	.00026
4	13.40405	13.4053	0.0093	.00029
5	15.20394	15.2055	0.0102	.00033
6	17.00387	17.0054	0.0090	.00037
7	15.20392	15.2055	0.0104	.00033
8	13.40402	13.4051	0.0080	.00029
9	11.60415	11.6048	0.0056	.00026
10	9.80431	9.8046	0.0030	.00022
11	8.00448	8.0043	-0.0023	.00018

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 17025:2005, ANSI/NCSL Z540-1 and Mensor Management Manual MM 3.0, Revision B, dated Feburary 28, 2019.
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.
Prior to the as-found calibration, the zero was adjusted 0.0015 psi.

I, Sally Guerrero, certify the accuracy of this Calibration Certificate:

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.

4/26/18

Calibration Certificate
Accredited Calibration

ACCREDITED
Calibration Lab
Cert 2066.01

Cal Cert ID: 163808

Cust. Name: WASHINGTON STATE PATROL
Address: 11018 NE 51ST CIRCLE
City: VANCOUVER
State/Zip: WA 98682 US

Instr SN: 410004SV/651311
Instr Descr: CPG 2400
Sensor SN: 410004SV/651311
Sensor Descr: Silicon Pressure Transducer
Procedure ID: WI02063

Out1 Min Range: 8.0000 psi
Out1 Max Range: 17.0000 psi
Limit of Error: 0.030% R
Pressure Type: Absolute

Cal Date: 04/01/2019
Cal Time: 9:22 am
Cal Tech: SALLYG
Order Nbr: 27898

Test Points Values and Readings

Test Point #	Reference Value PSI	Measured Values psi	Error % R	Uncertainty psi
1	8.00451	8.0044	-0.0014	.00018
2	9.80437	9.8044	0.0004	.00022
3	11.60423	11.6043	0.0006	.00026
4	13.40408	13.4043	0.0016	.00029
5	15.20396	15.2042	0.0016	.00033
6	17.00387	17.0041	0.0013	.00037
7	15.20390	15.2043	0.0026	.00033
8	13.40405	13.4044	0.0026	.00029
9	11.60418	11.6043	0.0010	.00026
10	9.80436	9.8044	0.0004	.00022
11	8.00448	8.0044	-0.0010	.00018

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

Recalibration Date: 04/01/2020
As Left 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 17025:2005, ANSI/NCSL Z540-1 and Mensor Management Manual MM 3.0, Revision B, dated Feburary 28, 2019.
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.

I, Sally Guerrero, certify the accuracy of this Calibration Certificate:

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.

4/26/19