

Calibration Certificate

Accredited Calibration



Cal Cert ID: 226539

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

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Instr SN: 410004SV/651311	Out1 Min Range: 8.0000 psi	Cal Date: 04/12/2023
Instr Descr: CPG2400	Out1 Max Range: 17.0000 psi	Cal Time: 5:34 pm
Sensor SN: 410004SV/651311	Limit of Error: 0.030% R	Issue Date: 04/12/2023
Sensor Descr: Silicon Pressure Transducer		Cal Tech: GREGG
Procedure ID: WI02063	Pressure Type: Absolute	Order Nbr: 49184

Test Points Values and Readings

Test Point #	Reference Value PSI	Measured Values psi	Error % R	Uncertainty psi
1	8.00133	8.0013	-0.0003	1.9E-4
2	9.80116	9.8013	0.0014	2.2E-4
3	11.60099	11.6012	0.0018	2.6E-4
4	13.40090	13.4011	0.0015	3.0E-4
5	15.20079	15.2009	0.0007	3.4E-4
6	17.00074	17.0007	-0.0002	3.8E-4
7	15.20073	15.2010	0.0018	3.4E-4
8	13.40086	13.4010	0.0011	3.0E-4
9	11.60098	11.6010	0.0002	2.6E-4
10	9.80113	9.8013	0.0017	2.2E-4
11	8.00128	8.0014	0.0015	1.9E-4

Measurement Standards Used in Calibration

Std Type	Serial Number	Description	Assoc. Test Reports	Recal Date
CPD8000	10017/10016/9994	DH CPD 8000	CAL ID: 205428	12/14/2024

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

Remarks and Notes

As Found Calibration.

As Left Calibration.

RECALIBRATION DATE: 04/12/2024

An asterisk denotes a measurement error on a calibration that exceeds the limit of error (Tolerance Limit) based on simple acceptance regardless of uncertainty.

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

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 D, dated September 21, 2021.

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 as described in Annex A of ISO 17025:2017. All calibrations are performed in ambient conditions of 23 +/- 4 deg C and 20-80% relative humidity.

4.20.23




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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 0.015402 psi.

I, Greg Gallardo, certify the accuracy of this Calibration Certificate:

Greg Gallardo

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.

4.20.23