

Calibration Certificate

Accredited Calibration



Cal Cert ID: 221373

Cust. Name: WASHINGTON STATE PATROL
Address: 222 TUMWATER BLVD SW, BUILDING 16
City: Tumwater
State/Zip: WA 98501 USA

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Instr SN: 410004SY/651314 Out1 Min Range: 8.0000 psi ✓
Instr Descr: CPG2400 Out1 Max Range: 17.0000 psi ✓
Sensor SN: 410004SY/651314 Limit of Error: 0.030% R ✓
Sensor Descr: Silicon Pressure Transducer
Procedure ID: WI02063 Pressure Type: Absolute

Cal Date: 01/10/2023
Cal Time: 10:29 pm
Issue Date: 01/10/2023
Cal Tech: NICKD
Order Nbr: 47767

Test Points Values and Readings ✓

Test Point #	Reference Value PSI	Measured Values psi	Error % R	Uncertainty psi
1	8.00101	8.0009	-0.0014	1.9E-4
2	9.80086	9.8012	0.0035	2.2E-4
3	11.60071	11.6015	0.0068	2.6E-4
4	13.40060	13.4017	0.0082	3.0E-4
5	15.20047	15.2017	0.0081	3.4E-4
6	17.00043	17.0019	0.0086	3.8E-4
7	15.20049	15.2017	0.0080	3.4E-4
8	13.40060	13.4016	0.0075	3.0E-4
9	11.60068	11.6014	0.0062	2.6E-4
10	9.80092	9.8012	0.0029	2.2E-4
11	8.00099	8.0009	-0.0011	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: 01/10/2024 ✓

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.

2-7-2023
2-7-2022
2-8-2023



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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 0.0005 psi.

I, Nick Dela Rosa, certify the accuracy of this Calibration Certificate:

A handwritten signature in black ink, reading "Nicholas Dela Rosa", written over a horizontal line.

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.