

Calibration Certificate

Accredited Calibration



Cal Cert ID: 177556

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

Page 1 of 2

| | | |
|---|-----------------------------|------------------------|
| Instr SN: 4100060K/651371 | Out1 Min Range: 8.0000 psi | Cal Date: 02/17/2020 |
| Instr Descr: CPG 2400 | Out1 Max Range: 17.0000 psi | Cal Time: 9:25 am |
| Sensor SN: 4100060K/651371 | Limit of Error: 0.030% R | Issue Date: 02/17/2020 |
| Sensor Descr: Silicon Pressure Transducer | | Cal Tech: RYAND |
| Procedure ID: WI02063 | Pressure Type: Absolute | Order Nbr: 32628 |

Test Points Values and Readings

| Test Point # | Reference Value PSI | Measured Values psi | Error % R | Uncertainty psi |
|--------------|---------------------|---------------------|-----------|-----------------|
| 1 | 8.00616 | 8.0061 | -0.0007 | .00018 |
| 2 | 9.80602 | 9.8062 | 0.0018 | .00022 |
| 3 | 11.60584 | 11.6061 | 0.0022 | .00026 |
| 4 | 13.40575 | 13.4061 | 0.0026 | .00029 |
| 5 | 15.20560 | 15.2062 | 0.0040 | .00033 |
| 6 | 17.00557 | 17.0062 | 0.0037 | .00037 |
| 7 | 15.20559 | 15.2062 | 0.0040 | .00033 |
| 8 | 13.40569 | 13.4063 | 0.0045 | .00029 |
| 9 | 11.60580 | 11.6062 | 0.0034 | .00026 |
| 10 | 9.80603 | 9.8061 | 0.0007 | .00022 |
| 11 | 8.00618 | 8.0062 | 0.0002 | .00018 |

[Handwritten Signature] #524
02/24/2020

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.

As Left Calibration.

Recalibration Date: 02/17/2021

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 B, dated February 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.



Cal Cert ID: 177556

Page 2 of 2

Prior to the as-found calibration, the zero was adjusted 0.00182 psi.

I, Ryan DeLuca, certify the accuracy of this Calibration Certificate:

A handwritten signature in black ink, appearing to read "R DeLuca", is 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.