

## Certificate of Calibration

Calibrations comply with  
ISO/IEC 17025:2017 and  
ANSI NCSL Z540-1-1994



### Device Information

Module	300PSI
Serial Number	109094
Calibration Date	07 May 2021
Certificate Issue Date	02 July 2021
As Received Condition	New
As Left Condition	In Tolerance

### Laboratory Conditions

Laboratory ambient conditions throughout this calibration	
Temperature	19 to 23° C
Humidity	20 to 60% RH

### Definitions

Temperature ..... Measured temperature of Device Under Test (DUT) during data collection.  
 Reference Reading ..... True value according to our reference standards.  
 Indicated Reading ..... Displayed reading from test unit.  
 Condition ..... Pass or Fail.  
 Difference ..... Indicated reading minus reference reading.  
 Relative Difference ..... (Difference / reference reading) x 100.  
 Allowable Tolerance .... ± according to manufacturer's specifications.  
 Pressure Medium ..... Nitrogen.

### Traceability Statement

Reference Standards used in this calibration are traceable to the National Institute of Standards and Technology of the United States (NIST) or other NMI.

### System Expanded Uncertainty

System expanded uncertainty evaluation includes the calibration reference used and device under test and is calculated in accordance with ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainties reported represent expanded uncertainties using a coverage factor (**k**) to approximate a percentage (%) confidence level.

### Decision Rule

*In Tolerance* or *Pass* conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. Test methods defined by COI-054.

Coverage Factor ( <b>k</b> )	2
Confidence Level (%)	~ 95

### Traceable Reference Standards

Manufacturer	Calibration Reference Used	Serial Number	Report No.	Reference Cal. Due
DHI	PG7601 w/ 100 kPa/kg PC	761	1500274463	09 December 2021
Fluke	RPM4 2071 36PSI	2071	21009	13 April 2022

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Laboratory Representative

**Tony Ly**

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Quality Representative

# Test Results

As Left Results - - Span Multiplier: 1.00000							
Temperature (Celsius)	Reference Reading (psi)	Indicated Reading (psi)	Deviation (psi)	Relative Deviation (% of Reading)	Allowable Tolerance (psi)	Expanded Uncertainty (psi)	Condition
-20	0.000	0.00	0.000		0.023		Pass
-20	-11.993	-11.99	0.003	-0.025	0.009	0.0061	Pass
-20	-5.997	-6.00	-0.003	0.050	0.009	0.0061	Pass
-20	0.000	0.00	0.000		0.023		Pass
-20	75.513	75.51	-0.003	-0.004	0.023	0.011	Pass
-20	149.881	149.88	-0.001	-0.001	0.037	0.012	Pass
-20	224.482	224.48	-0.002	-0.001	0.056	0.012	Pass
-20	300.453	300.45	-0.003	-0.001	0.075	0.013	Pass
-20	224.482	224.48	-0.002	-0.001	0.056	0.012	Pass
10	0.000	0.00	0.000		0.023		Pass
10	-11.971	-11.97	0.001	-0.008	0.009	0.0061	Pass
10	-6.005	-6.01	-0.005	0.083	0.009	0.0061	Pass
10	0.000	0.00	0.000		0.023		Pass
10	75.513	75.51	-0.003	-0.004	0.023	0.011	Pass
10	149.881	149.89	0.009	0.006	0.037	0.012	Pass
10	224.482	224.48	-0.002	-0.001	0.056	0.012	Pass
10	300.453	300.45	-0.003	-0.001	0.075	0.013	Pass
10	224.482	224.49	0.008	0.004	0.056	0.012	Pass
20	0.000	0.00	0.000		0.023		Pass
20	-11.996	-12.00	-0.004	0.033	0.009	0.0061	Pass
20	-5.993	-5.99	0.003	-0.050	0.009	0.0061	Pass
20	0.000	0.00	0.000		0.023		Pass
20	75.513	75.51	-0.003	-0.004	0.023	0.011	Pass
20	149.881	149.88	-0.001	-0.001	0.037	0.012	Pass
20	224.481	224.48	-0.001	0.000	0.056	0.012	Pass
20	300.453	300.45	-0.003	-0.001	0.075	0.013	Pass
20	224.482	224.49	0.008	0.004	0.056	0.012	Pass
30	0.000	0.00	0.000		0.023		Pass
30	-11.985	-11.99	-0.005	0.042	0.009	0.0061	Pass
30	-5.995	-6.00	-0.005	0.083	0.009	0.0061	Pass
30	0.000	0.00	0.000		0.023		Pass
30	75.513	75.51	-0.003	-0.004	0.023	0.011	Pass
30	149.881	149.88	-0.001	-0.001	0.037	0.012	Pass
30	224.481	224.48	-0.001	0.000	0.056	0.012	Pass
30	300.453	300.45	-0.003	-0.001	0.075	0.013	Pass
30	224.481	224.49	0.009	0.004	0.056	0.012	Pass
50	0.000	0.00	0.000		0.023		Pass
50	-11.997	-12.00	-0.003	0.025	0.009	0.0061	Pass
50	-5.991	-5.99	0.001	-0.017	0.009	0.0061	Pass
50	0.000	0.00	0.000		0.023		Pass
50	75.513	75.51	-0.003	-0.004	0.023	0.011	Pass
50	149.881	149.88	-0.001	-0.001	0.037	0.012	Pass
50	224.482	224.48	-0.002	-0.001	0.056	0.012	Pass
50	300.453	300.45	-0.003	-0.001	0.075	0.013	Pass
50	224.482	224.50	0.018	0.008	0.056	0.012	Pass

Manufacturer's specifications: 0-30% of Full Scale:  $\pm(0.0075\%$  of Full Scale); 30-100% of Full Scale:  $\pm(0.025\%$  of Reading). Vacuum:  $\pm(0.06\%$  of Full Scale), where F.S. = -14.5 PSIG