



Certificate of Calibration

Report number C01254

Manufacturer	Model	Pressure Range	Serial Number	Calibration Date	Expiration Date
Chicago Stainless Equipment, Inc.	2A-DB-15U-GF-BT-CD	100 PSI	17032136	3/21/2017	3/21/2018

All instrument calibrations are verified for accuracy before they are shipped. The recommended calibration interval for this instrument is 12 months from the date of verification. Your particular quality assurance requirements may supersede this recommendation.

Test Results: In Tolerance

Definitions:	Temperature	Measured temperature of test 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.
	Water column	Referenced at 20° C and 1 atmosphere.
	Test Accuracy Ratio	At least 4:1 unless otherwise stated.

Laboratory ambient conditions throughout this calibration were: Temperature: 73 to 80° F

This certification was made by direct comparison to master gauges which are periodically referred to one or more of the primary standards traceable to National Institute of Standards & Technology or other national physical measures recognized by NIST. The accuracy has been certified at every major subdivision on the dial face. Reference Standards used in this calibration are traceable to the National Institute of Standards and Technology of the United States, through the following report numbers:

Manufacturer	Model	Serial Number	Report Number	Due Date	Reference Uncertainty
Crystal Engineering	300PSIXP2I	867521	CSE010:11,358	28-Jul-17	0-20% of FS: +/- 0.02% FS, 20%-100% of FS: +/- 0.1% reading; Vacuum: +/- 0.25% of 14.5PSI/100kPa/1BAR
Crystal Engineering	100PSIXP2I	479619	NONE	5-Feb-18	0-20% of FS: +/- 0.02% FS, 20%-100% of FS: +/- 0.1% reading; Vacuum: +/- 0.25% of 14.5PSI/100kPa/1BAR

This certificate shall not be reproduced except in full, without written approval.

Laboratory Representative

Quality Representative

Test Results

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 Serial No. 17032136



Test Results

100 PSI

Reference Reading	Gauge Reading	Condition	Difference	Difference (% of FS)	Allowable Tolerance
0.00	0	Pass	0.00		1.50
10.24	10	Pass	-0.24	-0.24%	1.50
20.25	20	Pass	-0.25	-0.25%	1.50
30.25	30	Pass	-0.25	-0.25%	1.50
40.25	40	Pass	-0.25	-0.25%	1.50
50.26	50	Pass	-0.26	-0.26%	1.50
60.26	60	Pass	-0.26	-0.26%	1.50
70.26	70	Pass	-0.26	-0.26%	1.50
80.26	80	Pass	-0.26	-0.26%	1.50
90.27	90	Pass	-0.27	-0.27%	1.50
100.27	100	Pass	-0.27	-0.27%	1.50
90.02	90	Pass	-0.02	-0.02%	1.50
80.01	80	Pass	-0.01	-0.01%	1.50
69.81	70	Pass	0.19	0.19%	1.50
59.81	60	Pass	0.19	0.19%	1.50
49.81	50	Pass	0.19	0.19%	1.50
39.80	40	Pass	0.20	0.20%	1.50
29.81	30	Pass	0.19	0.19%	1.50
19.80	20	Pass	0.20	0.20%	1.50
9.80	10	Pass	0.20	0.20%	1.50
0.00	0	Pass	0.00		1.50

AL Head correction:

0.00 PSI