



## *Certificate of Calibration*

Model: CS451- 2.9psig

Serial Number: 20010046

Accuracy (%F.S. T.E.B.): 0.1

Test Panel Location: 9

CSI Calibration Number: 160728307

Calibration Procedures: TST21872C R6      PRC33A R22

### Instrument Calibration Condition

Received Disposition: In Tolerance

Returned Disposition: In Tolerance

### Recommended Calibration Schedule

If the customer has not requested a calibration interval, a non-mandatory recommended interval is provided. Based on past experience and assumed normal usage, it is recommended that this instrument be calibrated in accordance with the interval stated below to insure sustained accuracy and reliable performance.

Calibration Date: 28-Jul-16

Recommended Interval: 2 years of service

### Report of Calibration Standards Used

Make/Model	Serial Number	Cal. Due Date	Trace Number
Ge 7252(i)/	64219	02-Jul-18	1500201614

CSI certifies the above instrument meets or exceeds published specifications and has been calibrated using standards and instruments whose accuracies are traceable to the National Institute of Standards and Technology, an accepted value of a natural physical constant or a ratio calibration technique. The collective measurement uncertainty of the calibration process exceeds a 4:1 accuracy ratio. Policies and procedures at this facility comply with ISO-9001.

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# Instrument Data Report

## CS451 Pressure Output

S/N: 20010046

Accuracy (%F.S. T.E.B.): 0.1

Temperature Range: 0°C to 60°C

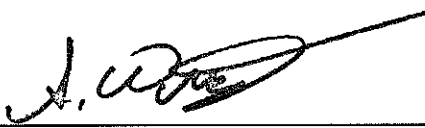
Test Run Results:

Pressure [kPa]	Temperature [°C]	Pressure Before [kPa]	Pressure After [kPa]	Deviation After [%F.S.]
0.0000	0.0	0.0000	-0.0023	-0.012
0.0000	20.0	N/A	0.0144	0.072
0.0000	30.0	0.0000	0.0002	0.001
0.0000	50.0	N/A	0.0118	0.059
0.0000	60.0	0.0000	-0.0031	-0.015
4.0000	0.0	0.0000	3.9996	-0.002
4.0000	20.0	N/A	4.0119	0.060
4.0000	30.0	0.0000	3.9994	-0.003
4.0000	50.0	N/A	4.0107	0.054
4.0000	60.0	0.0000	3.9985	-0.008
8.0000	0.0	0.0000	7.9976	-0.012
8.0000	20.0	N/A	8.0109	0.055
8.0000	30.0	0.0000	8.0000	0.000
8.0000	50.0	N/A	8.0094	0.047
8.0000	60.0	0.0000	8.0003	0.001
12.0000	0.0	0.0000	11.9990	-0.005
12.0000	20.0	N/A	12.0129	0.065
12.0000	30.0	0.0000	11.9980	-0.010
12.0000	50.0	N/A	12.0086	0.044
12.0000	60.0	0.0000	11.9985	-0.007
16.0000	0.0	0.0000	15.9991	-0.005
16.0000	20.0	N/A	16.0121	0.060
16.0000	30.0	0.0000	16.0009	0.004
16.0000	50.0	N/A	16.0066	0.033
16.0000	60.0	0.0000	15.9980	-0.010
20.0000	0.0	0.0000	19.9975	-0.012
20.0000	20.0	N/A	20.0108	0.054
20.0000	30.0	0.0000	20.0008	0.004
20.0000	50.0	N/A	20.0051	0.026
20.0000	60.0	0.0000	19.9979	-0.010

bars = kPa / 100.0

Ambient Conditions[%RH,°C]: 17.0, 25.0

psi = kPa \* 0.145



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Calibration Technician

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