



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005  
& ANSI/NCSL Z540-1-1994

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CALIBRATION

Valid To: June 30, 2012

Certificate Number: 2700.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1</sup>:

I. Mechanical

Parameter	Range	CMC <sup>2</sup> (±)	Comments
Pressure	(0 to 15) psia	0.017 psi	Heise PTE-1, Heise 15 psi absolute module
	(0 to 100) psig	0.053 psi	Heise PTE-1, Heise 100 psi absolute module
	(0 to 5) in H <sub>2</sub> O	0.30 in H <sub>2</sub> O	Heise PTE-1, Heise 5 inch H <sub>2</sub> O psi absolute module

## II. Thermodynamic

Parameter	Range	CMC <sup>2</sup> (±)	Comments
Temperature – By Comparison	(-25 to 0) °C (0 to 140) °C  (-196 to 0) °C (0 to 100) °C (100 to 200) °C (200 to 300) °C (300 to 420) °C	0.12 °C 0.11 °C  0.028 °C 0.018 °C 0.019 °C 0.034 °C 0.037 °C	Hart 1502A, Hart 5615 PRT, Hart 9103 drywell  Hart 5102A, Hart 5615 PRT
Humidity – By Comparison	(5 to 95) % RH @ (15 to 50) °C	2.1 % RH	Vaportron H-100 CL Humidity Chamber, Vaisala HM77

<sup>1</sup> This laboratory offers commercial calibration services for the parameters indicated.

<sup>2</sup> Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.