



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

GE Sensing

1100 Technology Park Drive
Billerica, MA 01821
Mr. Stephen Rehn
Phone: 978-437-1000 Fax: 502-479-6722
E-mail: stephen.rehn@ge.com
URL: www.gesensing.com

CALIBRATION LABORATORIES

NVLAP LAB CODE 200803-0
Scope Revised: 2011-07-06

THERMODYNAMICS

NVLAP Code: 20/T02
Humidity

<i>Range</i>	<i>Best Uncertainty</i> (\pm) ^{note 1}	<i>Remarks</i>
(24 to 86) % RH	1.1 % RH	Generated in RH chamber @ 25° C
Dew/Frost Point		
(-80 to 20) °C	0.15 °C	

NVLAP Code: 20/T05
Pneumatic Pressure by Comparison to Piston Gage

<i>Range</i>	<i>Best Uncertainty</i> (\pm) ^{note 1}	<i>Remarks</i>
(-100 to -1.38) kPa	0.0020 % (not less than 0.07 Pa)	Gage Mode
(1.38 to 689) kPa	0.0020 % (not less than 0.07 Pa)	Gage Mode
689 kPa to 7 MPa	0.0031 %	Gage Mode
(7 to 21) MPa	0.0033 %	Gage Mode
(1.38 to 689) kPa	0.0020 % (not less than 1.35 Pa)	Absolute Mode
689 kPa to 7 MPa	0.0031 %	Absolute Mode

2011-04-01 through 2012-03-31

Sally S. Bruce

Effective dates

For the National Institute of Standards and Technology



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<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
Pneumatic Pressure by Comparison to Precision Transducer		
(-100 to 0) kPa	0.0075 % (not less than 3.45 Pa)	Gauge Mode
0 kPa to 2 MPa	0.0075 % (not less than 3.45 Pa)	Gage or Absolute Mode
(2 to 13.8) MPa	0.0075 %	Gage or Absolute Mode

NVLAP Code: 20/T07
Resistance Thermometry
RTD Temperature measurement by comparison to SPRT

<i>Temperature in °C</i>	<i>Best Uncertainty (±) in mK ^{note 1}</i>	<i>Remarks</i>
-196	10	
0	5.1	
100	8	
390	12	

Temperature Source & Measurement by comparison to RTD Probe

-80 to 400	28	
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1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.

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