

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200803-0

GE Sensing
Billerica, MA

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

CALIBRATION LABORATORIES

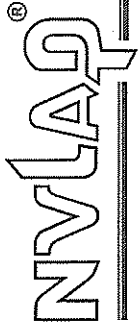
*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2011-04-01 through 2012-03-31

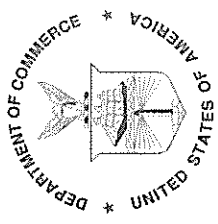
Effective dates



Sally S. Bruce
For the National Institute of Standards and Technology



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

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THERMODYNAMICS

NVLAP Code: 20/T02
Humidity
Generated in RH chamber @ 25° C

Range in % RH *Best Uncertainty (±) in % RH^{note 1}*
24 to 86 1.1

NVLAP Code: 20/T05
Pressure
Pressure by comparison

Range in psia *Best Uncertainty (±) in psi^{note 1}*
0 to 150 0.02

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

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

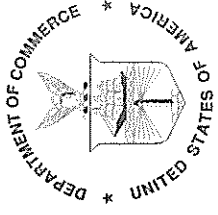
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Temperature by comparison to RTD Probe

<i>Temperature in °C</i>	<i>Best Uncertainty (±) in mK</i> ^{note 1}
-60	28
0	28
100	28
400	28

Temperature Measurement by comparison to RTD Probe

<i>Temperature Range in °C</i>	<i>Best Uncertainty (±) in mK</i> ^{note 1}
-80 to 400	28

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

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