

National Institute  
of Standards and Technology



National Voluntary  
Laboratory Accreditation Program

ISO/IEC 17025:1999  
ISO 9002:1994

## Scope of Accreditation



Revised 5/20/2004

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**CALIBRATION LABORATORIES**

**NVLAP LAB CODE 200650-0**

**MC<sup>2</sup> INC.**  
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Cocoa, FL 32926  
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### **THERMODYNAMICS**

**NVLAP Code:** 20/T02  
Humidity

<i>Range in % R.H.</i>	<i>Best Uncertainty (±) in % R.H.<sup>note 1</sup></i>	<i>Comments</i>
0 to 90	1.7	
90 to 100	2.7	

March 31, 2005

Effective through

A handwritten signature in black ink, appearing to read 'Lawrence R. Swonger', is written over a horizontal line.

For the National Institute of Standards and Technology

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200650-0

MC<sup>2</sup> INC

*NVLAP Code:* 20/T05

Pressure

<i>Range</i>	<i>Best Uncertainty (<math>\pm</math>) in % F.S.<sup>note 1</sup></i>	<i>Comments</i>
0 to 1 in. W.C.	0.08	Heise PTE-1 with 1" pressure module
0 to 5 in. W.C.	0.08	Heise PTE-1 with 5" pressure module
0 to 10 in. W.C.	0.08	Heise PTE-1 with 10" pressure module
0 to 138 in. W.C.	0.07	Fluke 744 with Fluke 700 Series pressure module
0 to 415 in. W.C.	0.05	Fluke 744 with Fluke 700 Series pressure module
0 to 50 psi	0.07	Heise PTE-1 with 50 psi pressure module
0 to 300 psi	0.05	Fluke 744 with Fluke 700 Series pressure module

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#### MC<sup>2</sup> INC

-1 to 1 in. W.C.	0.08	Differential Pressure
-5 to 5 in. W.C.	0.08	Differential Pressure
-10 to 10 in. W.C.	0.08	Differential Pressure
-138 to 138 in. W.C.	0.07	Differential Pressure
-415 to 415 inc. W.C.	0.05	Differential Pressure
-50 to 50 psi	0.07	Differential Pressure
-300 to 300 psi	0.05	Differential Pressure

**NVLAP Code:** 20/T07  
Resistance Thermometry

<b>Range in °F</b>	<b>Best Uncertainty (±) in % F.S.<sup>note 1</sup></b>	<b>Comments</b>
-40 to 320	0.05	Electrical Simulation of RTD Element
40 to 140	0.56	Temperature Bath

1. Represents an expanded uncertainty using a coverage factor, k=2.

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