National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CALIBRATION LABORATORIES **NVLAP LAB CODE 200661-0**

NVLAP Code: 20/A01 ANSI/NCSL Z540-1-1994; Part 1 Compliant

DC/LOW FREQUENCY ELECTROMAGNETICS

NVLAP Code: 20/E05
DC Current

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
0.1 to 20 mA	0.015 %	

NVLAP Code: 20/E06
DC Voltage

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
0.1 to 28 V	0.015 %	

TIME AND FREQUENCY

NVLAP Code: 20/F01
Frequency Dissemination [note 2]

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
0.1 Hz to 10 MHz	0.000025 %	Frequency Period 200 ns to 10 sec

2008-10-01 through 2009-09-30
Effective dates

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

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MECHANICAL

NVLAP Code: 20/M05
Flow Rate

Range in sccm	*Best Uncertainty (±)* [note 1]	*Remarks*
1.0 to 2.5	0.163 %	
2.5 to 5.0	0.127 %	
5.0 to 50 000	0.071 %	

THERMODYNAMIC

NVLAP Code: 20/T05
Pressure [note 2]

Range	*Best Uncertainty (±)* [note 1]	*Remarks*
0 kPa to 1 kPa	0.15 kPa	
87 kPa to 173 kPa	3.47 Pa	

NVLAP Code: 20/T07
Resistance Thermometry [note 2]

Range in °C	*Best Uncertainty (±)* [note 1]	*Remarks*
-20 to -5	0.05 °C	
-5 to 70	0.03 °C	
70 to 130	0.03 °C	

1. Represents an expanded uncertainty using a coverage factor, k = 2, at an approximate level of confidence of 95 %.
2. Calibration service provided in support of Bios International Corporation manufactured flow standards only.

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