



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200935-0

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

DC/LOW FREQUENCY

NVLAP Code: 20/E05
DC Current

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
(0 to 100) µA	150 µA/A + 2 nA	Datron 1271
(0.1 to 1) mA	150 µA/A + 20 nA	Datron 1271
(1 to 10) mA	150 µA/A + 260 nA	Datron 1271
(10 to 100) mA	300 µA/A	Datron 1271

NVLAP Code: 20/E06
DC Voltage

(0 to 100) mV	20 µV/V + 1.1 µV	Datron 1271
(0.1 to 1) V	30 µV/V + 1.3 µV	Datron 1271
(1 to 30) V	30 µV/V	Datron 1271

Electrical Calibration of Thermocouple Devices

Base Metal (-196 to 1343) °C	0.33 °C	Datron 1271
Noble Metal (0 to 1704) °C	0.39 °C	Datron 1271

2010-12-15 through 2011-12-31

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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THERMODYNAMICS

NVLAP Code: 20/T08

Thermocouples
Base Metal

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
(-196 to 0) °C	0.5 °C	Type T Master
(0 to 93) °C	0.28 °C	PRT Master
(93 to 316) °C	0.44 °C	PRT Master
(316 to 650) °C	0.83 °C	Type R Master
(650 to 1100) °C	0.94 °C	Type R Master
(1100 to 1350) °C	1.3 °C	Type R Master

Noble Metal

(0 to 1100) °C	0.83 °C	Type R Master
(1100 to 1350) °C	1.2 °C	Type R Master
(1350 to 1500) °C	2.0 °C	Type R Master

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

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