



Certificate of Calibration & Compliance For:

ILLIANA INSTRUMENTATION SERVICE

1831 GOVERT DRIVE

SCHERERVILLE, IN 46375



CALIBRATION

NVLAP LAB CODE: 200496-0

GeoCorp, Inc.

www.geocorpinc.com

9010 River Road ▪ Huron, Ohio 44839

P: 419-433-1101 F: 419-433-1102

17025 Accredited Lab

ITEM 1669

NVLAP is a U.S. Government entity administered by the NIST, an agency of the Department of Commerce.

Calibration #	Y-2052	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		32	32.3	32.3	-0.3	-0.3	-0.3
P.O. #:	3915	100	100.3	100.4	-0.3	-0.4	-0.4
		200	200.5	200.6	-0.5	-0.6	-0.6
Description:	Thermocouple Wire	400	400.9	400.9	-0.9	-0.9	-0.9
TYPE	K	600	600.8	600.9	-0.8	-0.9	-0.8
500'	K20-2-HG	800	801.1	801.2	-1.1	-1.2	-1.2
		1000	1001.7	1001.8	-1.7	-1.8	-1.8
		1200	1202.2	1202.3	-2.2	-2.3	-2.2
		1400	1402.6	1402.7	-2.6	-2.7	-2.6
		1600	1603.0	1603.1	-3.0	-3.1	-3.0
Spool #	GK80913-7-13						
Test Date:	10/22/2018						
Job #:	215961						

This Item meets ASTM E230 Special Limits Standard Limits New Calibration Recalibration

BAC 5621 L, Table V, +/- 2 °F (+/- 1.1 °C) to 1000° F, +/- 0.4% above AMS 2750 E Noble Metal +/- 1° F (+/- 0.6 °C) or +/- 0.1%

BAC 5621 L, Table V, FL 4 +/- 2 °F (+/- 1.1 °C) or +/- 0.4% AMS 2750 E Base Metal +/- 2° F (+/- 1.1 °C) or +/- 0.4%

The calibrated equipment used for this test, listed below, is maintained in accordance with AMS 2750E, BAC 5621L (no PSD's), ANSI/NCSL Z540-3, ISO 10012, ISO/IEC 17025, RPS 953, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-13, ASTM E230/E230M-17, GEOCORP QW-001-O

NIST SENSOR: 290656 Calibrated: 1/2/2018 Due: 1/2/2019 Type: S	Primary Sensor: A-4067 Calibrated: 9/24/2018 Due: 9/24/2019 Type: S	Primary Inst: Keithley 2701 S/N: 1030819 Calibrated: 3/6/2018 Due: 3/6/2019	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: AG by: AG
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Estimated uncertainty, k=2, 95%
 Thermocouple Types-K and N: -196° C to < 0° C = .71° C; 0° C to 1093 = .89° C; >1093 to 1344 = 1.9° C
 Thermocouple Type-J: -196° C to < 0° C = .70° C; 0° C to 760° C = .88° C

Noreen Roth
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 APPROVED SIGNATORY

TYPE K Thermocouple Wire

