



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

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

Calibration #	BA0541	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
P.O. #:	4056	100	100.0	99.9	0.0	0.1	0.0
		200	199.9	199.9	0.1	0.1	0.1
		400	399.4	399.3	0.6	0.7	0.6
Description:	Thermocouple Wire	600	598.9	598.8	1.1	1.2	1.2
TYPE	K	800	799.5	799.4	0.5	0.6	0.6
1000'	K20-2-HC	1000	999.9	999.9	0.1	0.1	0.1
		1200	1200.2	1200.2	-0.2	-0.2	-0.2
		1400	1400.5	1400.6	-0.5	-0.6	-0.6
		1600	1601.0	1601.1	-1.0	-1.1	-1.0
		1800	1801.4	1801.5	-1.4	-1.5	-1.4
		2000	2001.8	2001.9	-1.8	-1.9	-1.8
		2200	2202.0	2202.1	-2.0	-2.1	-2.0
		2300	2302.1	2302.2	-2.1	-2.2	-2.2
Spool #	GK00115-4-7						
Test Date:	3/3/2020						
Job #:	235103						

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/NCSS Z540-3, ISO 10012, ISO/IEC 17025, RRP 54000, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-19, ASTM E230/E230M-17, GEOCORP QW-001-O

NIST SENSOR: 292827 Calibrated: 11/22/2019 Due: 11/22/2020 Type: S	Primary Sensor: A-4229 Calibrated: 2/4/2020 Due: 2/4/2021 Type: S	Primary Inst: Keithley 2701 S/N: 4096981 Calibrated: 8/14/2019 Due: 8/14/2020	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: AG by: AG Issue Date: 3/3/2020
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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

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 APPROVED SIGNATORY

TYPE K Thermocouple Wire

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE

