



**Certificate of Calibration & Compliance For:**  
**ILLIANA INSTRUMENTATION SERVICE**  
 1831 GOVERT DRIVE  
 SCHERERVILLE, IN 46375



**CALIBRATION**  
 NVLAP LAB CODE: 200496-0

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

GeoCorp, Inc.

[www.geocorpinc.com](http://www.geocorpinc.com)

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17025 Accredited Lab

Calibration #	Z-9494	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		100	100.1	100.1	-0.1	-0.1	-0.1
P.O. #:	4047	200	200.2	200.2	-0.2	-0.2	-0.2
		400	399.9	399.9	0.1	0.1	0.1
Description:	Thermocouple Wire	600	599.6	599.5	0.4	0.5	0.4
TYPE	K	800	799.8	799.8	0.2	0.2	0.2
1000'	K20-2-HC	1000	1000.1	1000.2	-0.1	-0.2	-0.2
		1200	1200.5	1200.6	-0.5	-0.6	-0.6
		1400	1400.9	1401.0	-0.9	-1.0	-1.0
		1600	1601.4	1601.5	-1.4	-1.5	-1.4
		1800	1801.8	1801.9	-1.8	-1.9	-1.8
		2000	2002.3	2002.4	-2.3	-2.4	-2.4
		2200	2202.9	2203.0	-2.9	-3.0	-3.0
		2300	2303.1	2303.2	-3.1	-3.2	-3.2
Spool #	GK00110-2-5B						
Test Date:	2/5/2020						
Job #:	233720						

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/NC SL 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-4208 Calibrated: 12/21/2019 Due: 12/21/2020 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: 2/5/2020
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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

*[Signature]*  
 NOREEN ROTH  
 APPROVED SIGNATORY

TYPE  
**K Thermocouple Wire**

