



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



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

GeoCorp, Inc.

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17025 Accredited Lab

**1674**

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

Calibration #	Y-4258	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
P.O. #:	3934	100	100.1	100.2	-0.1	-0.2	-0.2
		200	200.2	200.3	-0.2	-0.3	-0.2
		400	400.4	400.5	-0.4	-0.5	-0.4
Description:	Thermocouple Wire	600	600.3	600.3	-0.3	-0.3	-0.3
TYPE	K	800	800.4	800.5	-0.4	-0.5	-0.4
500'	K20-2-HC	1000	1001.0	1001.1	-1.0	-1.1	-1.0
		1200	1201.6	1201.7	-1.6	-1.7	-1.6
		1400	1402.2	1402.3	-2.2	-2.3	-2.2
		1600	1602.8	1602.9	-2.8	-2.9	-2.8
		1800	1802.5	1802.6	-2.5	-2.6	-2.6
		2000	2002.9	2003.0	-2.9	-3.0	-3.0
		2200	2203.5	2203.6	-3.5	-3.6	-3.6
		2300	2303.7	2303.8	-3.7	-3.8	-3.8
Spool #	GK81115-3-6AA						
Test Date:	12/21/2018						
Job #:	218329						

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: 290551 Calibrated: 1/4/2018 Due: 1/4/2019 Type: S	Primary Sensor: A-4088 Calibrated: 11/28/2018 Due: 11/28/2019 Type: S	Primary Inst: Keithley 2701 S/N: 4096981 Calibrated: 10/23/2018 Due: 10/23/2019	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*  
**NOREEN ROTH**  
**APPROVED SIGNATORY**

**TYPE**  
**K Thermocouple Wire**

