



GeoCorp, Inc.

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17025 Accredited Lab

**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.

**1722**

Calibration #	BB8342	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree: °	F	Point					
		32	32.1	32.1	-0.1	-0.1	-0.1
P.O. #:	4244	100	100.1	100.1	-0.1	-0.1	-0.1
		200	200.3	200.3	-0.3	-0.3	-0.3
Description:	Thermocouple Wire	400	400.9	400.9	-0.9	-0.9	-0.9
TYPE	K	600	601.1	601.0	-1.1	-1.0	-1.0
500'	K20-2-HG	800	800.7	800.6	-0.7	-0.6	-0.6
		1000	1001.2	1001.1	-1.2	-1.1	-1.2
		1200	1201.9	1201.8	-1.9	-1.8	-1.8
		1400	1402.6	1402.6	-2.6	-2.6	-2.6
		1600	1603.1	1603.1	-3.1	-3.1	-3.1
Spool Length:	500'						
Spool #	GK10921-6-10						
Test Date:	10/23/2021						
Job #:	254660						

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

BAC 5621 M, Table V +/- 2.0 °F (+/- 1.1 °C) to 1000 °F, +/- 0.4% above  AMS 2750 F Noble Metal +/- 1.0 °F (+/- 0.6 °C) or +/-0.1%

BAC 5621 M, Table V, FL 4 +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4%  AMS 2750 F Base Metal +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4%

The calibrated equipment used for this test, listed below, is maintained in accordance with AMS 2750F, BAC 5621M (no PSD's), ANSI/NCSL 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: 0000034820 Calibrated: 7/29/2021 Due: 7/29/2022 Type: S	Primary Sensor: A-4356 Calibrated: 10/18/2021 Due: 10/18/2022 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 7/7/2021 Due: 7/7/2022	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: BW by: BW Issue Date: 10/23/2021
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Estimated uncertainty, k=2, 95 %  
**Thermocouple Type-K:** -196 °C to <0 °C = 0.71 °C; 0 °C to 1093 = 0.89 °C; >1093 °C to 1344 °C = 1.90 °C  
 OR -321 °F to <32 °F = 1.28 °F, 32 °F to 1999 °F = 1.60 °F, > 1999 °F to 2451 °F = 3.42 °F  
**Thermocouple Type-N:** -196 °C to <0 °C = 0.71 °C; 0 °C to 1093 = 0.89 °C; >1093 °C to 1300 °C = 1.90 °C  
 OR -321 °F to <32 °F = 1.28 °F, 32 °F to 1999 °F = 1.60 °F, > 1999 °F to 2372 °F = 3.42 °F  
**Thermocouple Type-J:** -196 °C to <0 °C = 0.70 °C; 0 °C to 760 °C = 0.88 °C  
 OR -321 °F to <32 °F = 1.26 °F; 32 °F to 1400 °F = 1.58 °F

*(Signature)*  
**NOREEN ROTH  
APPROVED SIGNATORY**

**TYPE  
K Thermocouple Wire**

