



**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](http://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 #	BB3423	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. #:	4194	100	100.2	100.2	-0.2	-0.2	-0.2
		200	200.4	200.4	-0.4	-0.4	-0.4
Description:	Thermocouple Wire	400	400.9	401.0	-0.9	-1.0	-1.0
TYPE	K	600	601.1	601.2	-1.1	-1.2	-1.2
500'	K20-2-HG	800	801.6	801.6	-1.6	-1.6	-1.6
		1000	1002.0	1002.0	-2.0	-2.0	-2.0
		1200	1202.5	1202.6	-2.5	-2.6	-2.6
		1400	1403.2	1403.3	-3.2	-3.3	-3.2
		1600	1603.7	1603.8	-3.7	-3.8	-3.8
Spool Length:	500'						
Spool #	GI10423-6-28						
Test Date:	5/16/2021						
Job #:	249195						

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 F 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 F 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 2750F, BAC 5621L (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: 0000001650 Calibrated: 10/2/2020 Due: 10/2/2021 Type: S	Primary Sensor: A-4320 Calibrated: 2/24/2021 Due: 2/24/2022 Type: S	Primary Inst: Keithley 2701 S/N: 4096981 Calibrated: 7/8/2020 Due: 7/8/2021	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: AG by: AG Issue Date: 5/16/2021
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Estimated uncertainty, k=2, 95 %  
 Thermocouple Types-K and N: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1093 = 0.89 °C; >1093 to 1344 = 1.9 °C  
 Thermocouple Type-J: -196 °C to < 0 °C = 0.70 °C; 0 °C to 760 °C = 0.88 °C

*Noreen Roth*  
**NOREEN ROTH**  
 APPROVED SIGNATORY

