



**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

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17025 Accredited Lab

1741

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

Calibration #	BC7232	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree:	° F	Point					
		100	99.8	99.8	0.2	0.2	0.2
P.O. #:	4331	200	199.6	199.6	0.4	0.4	0.4
		400	399.1	399.1	0.9	0.9	0.9
Description:	Thermocouple Wire	600	599.2	599.3	0.8	0.7	0.8
TYPE	K	800	799.8	799.9	0.2	0.1	0.2
1000'	K20-2-HC	1000	1000.6	1000.7	-0.6	-0.7	-0.6
		1200	1201.2	1201.3	-1.2	-1.3	-1.2
		1400	1402.0	1402.1	-2.0	-2.1	-2.0
		1600	1602.9	1603.0	-2.9	-3.0	-3.0
		1800	1803.8	1803.9	-3.8	-3.9	-3.8
		2000	2004.5	2004.7	-4.5	-4.7	-4.6
		2200	2205.2	2205.4	-5.2	-5.4	-5.3
		2300	2305.5	2305.7	-5.5	-5.7	-5.6
Spool Length:	1000'						
Spool #	GK20617-15-6A						
Test Date:	7/29/2022						
Job #:	263315						

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), ANS/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-P

NIST SENSOR: 0000035278 Calibrated: 4/22/2022 Due: 4/22/2023 Type: S	Primary Sensor: A-4424 Calibrated: 7/19/2022 Due: 7/19/2023 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 7/1/2022 Due: 7/1/2023	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: BW by: BW Issue Date: 7/29/2022
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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

**NOREEN ROTH**  
 APPROVED SIGNATORY

