



**Certificate of Calibration & Compliance For:**  
**ACCURATE CALIB. & REPAIR SERV., INC**  
 1924 PINNACLE DR.  
 AURORA, IL 60502



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

GeoCorp, Inc.

www.geocorpinc.com

9010 River Road • Huron, Ohio 44839

P: 419-433-1101 F: 419-433-1102

ISO / IEC 17025 Accredited Lab

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

Calibration #	BE7784	Temperature	Reading		Correction		AVG.
Degree:	° F	Point	FRONT	BACK	FRONT	BACK	CORRECTION
		100	99.9	99.9	0.1	0.1	0.1
P.O. #:	2413	200	199.7	199.8	0.3	0.2	0.2
		300	300.0	300.1	0.0	-0.1	0.0
Description:	Thermocouple Wire	400	400.3	400.4	-0.3	-0.4	-0.4
TYPE	K	500	500.7	500.8	-0.7	-0.8	-0.8
1000'	K20-2-HG	600	601.1	601.2	-1.1	-1.2	-1.2
		700	701.3	701.4	-1.3	-1.4	-1.4
		800	801.6	801.7	-1.6	-1.7	-1.6
		900	901.8	901.9	-1.8	-1.9	-1.8
		1000	1001.9	1002.0	-1.9	-2.0	-2.0
		1100	1102.1	1102.2	-2.1	-2.2	-2.2
		1200	1202.3	1202.4	-2.3	-2.4	-2.4
		1300	1301.9	1302.0	-1.9	-2.0	-2.0
		1400	1401.5	1401.6	-1.5	-1.6	-1.6
		1500	1501.3	1501.4	-1.3	-1.4	-1.4
		1600	1601.0	1601.1	-1.0	-1.1	-1.0
Spool Length:	1000'	1700	1700.8	1700.9	-0.8	-0.9	-0.8
		1800	1800.5	1800.6	-0.5	-0.6	-0.6
Spool #	GI31127-22-8						
Test Date:	4/4/2024						
Job #:	281479						

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 G 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 G 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 2750G, 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-23a, GEOCORP QW-001-P, ASTM E29

NIST SENSOR: 0000049061 Calibrated: 5/5/2023 Due: 5/5/2024 Type: S	Primary Sensor: A-4563 Calibrated: 3/4/2024 Due: 3/4/2025 Type: S	Primary Inst: Keithley 2701 S/N: 4096981 Calibrated: 7/7/2023 Due: 7/7/2024	Humidity: 40% Nominal Ambient Temp: 72° F Immersion Depth: 24" tech: KZ by: KZ Issue Date: 4/4/2024
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Estimated uncertainty, k=2, 95 %  
 Thermocouple Type-K: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1093 °C = 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 °C = 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

TYPE  
**K Thermocouple Wire**

GRAPH DATA VARIATION FROM TRUE TEMPERATURE

