



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
 17025 Accredited Lab

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

Calibration #	BD7743	Temperature	Reading		Correction		AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree:	° F	Point					
		200	200.0	200.0	0.0	0.0	0.0
P.O. #:	2328	300	299.8	299.8	0.2	0.2	0.2
		400	399.6	399.6	0.4	0.4	0.4
Description:	Thermocouple Wire	500	499.4	499.4	0.6	0.6	0.6
TYPE	K	600	599.2	599.2	0.8	0.8	0.8
1000'	K20-2-HR	700	699.4	699.4	0.6	0.6	0.6
		800	799.6	799.6	0.4	0.4	0.4
		900	899.9	899.9	0.1	0.1	0.1
		1000	1000.2	1000.2	-0.2	-0.2	-0.2
		1100	1100.5	1100.5	-0.5	-0.5	-0.5
		1200	1200.9	1200.9	-0.9	-0.9	-0.9
		1300	1301.3	1301.3	-1.3	-1.3	-1.3
		1400	1401.7	1401.6	-1.7	-1.6	-1.7
		1500	1502.1	1501.9	-2.1	-1.9	-2.0
		1600	1602.0	1601.8	-2.0	-1.8	-1.9
		1700	1701.7	1701.6	-1.7	-1.6	-1.7
Spool Length:	1000'	1800	1801.4	1801.3	-1.4	-1.3	-1.4
		1900	1901.5	1901.4	-1.5	-1.4	-1.5
Spool #	GK30517-2-6B	2000	2001.8	2001.7	-1.8	-1.7	-1.8
		2100	2102.2	2102.1	-2.2	-2.1	-2.2
Test Date:	6/14/2023	2200	2202.6	2202.5	-2.6	-2.5	-2.6
		2300	2303.0	2302.9	-3.0	-2.9	-3.0
Job #:	273360						

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-17, GEOCORP QW-001-P

NIST SENSOR: 0000035278 Calibrated: 4/22/2022 Due: 4/22/2023 Type: S	Primary Sensor: A-4486 Calibrated: 4/7/2023 Due: 4/7/2024 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: 6/14/2023
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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
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 APPROVED SIGNATORY

TYPE
K Thermocouple Wire

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE

