GeoCorp, Inc.
www.geocorpinc.com
9010 River Road ▪ Huron, Ohio 44839
P: 419-433-1101 F: 419-433-1102
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.

1740

Calibration #	BC7231	Temperature	*Reading*		*Correction*			ASTM E29 AVG.
Degree: °	F	Point	FRONT	BACK	FRONT	BACK		CORRECTION
		100	100.1	100.1	-0.1	-0.1		-0.1
P.O. #:	4331	300	300.2	300.3	-0.2	-0.3		-0.2
		500	500.4	500.4	-0.4	-0.4		-0.4
Description:	Thermocouple Wire	700	700.7	700.7	-0.7	-0.7		-0.7
TYPE	K	900	901.1	901.1	-1.1	-1.1		-1.1
1000'	K20-2-HG	1100	1101.9	1101.9	-1.9	-1.9		-1.9
		1300	1302.5	1302.6	-2.5	-2.6		-2.6
		1500	1502.9	1502.9	-2.9	-2.9		-2.9
		1600	1603.4	1603.3	-3.4	-3.3		-3.4
Spool Length:	1000'							
Spool #	GK20618-7-13							
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), 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-P

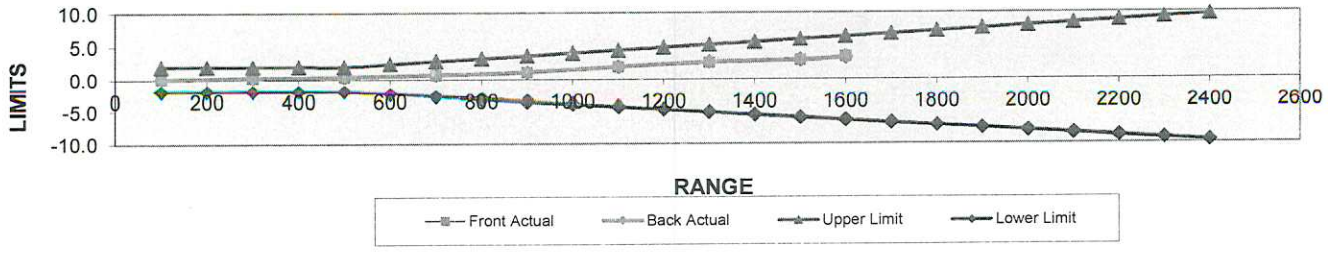
NIST SENSOR: *0000035278*	Primary Sensor: A-4423	Primary Inst: Keithley 2701	Humidity: 40% Nominal
Calibrated: 4/22/2022	Calibrated: 7/19/2022	S/N: 4096981	Ambient Temp 72° F
Due: 4/22/2023	Due: 7/19/2023	Calibrated: 7/1/2022	Immersion Depth: 24"
Type: *S*	Type: *S*	Due: 7/1/2023	tech: AG by: AG
			Issue Date: 7/29/2022

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

TYPE
K Thermocouple Wire

GRAPH DATA ***VARIATION FROM TRUE TEMPERATURE***



QF-022AU This report shall not be reproduced except in full, without written approval of GEOCORP, Inc. This report applies only to the description and quantity listed above, and may not be used to claim product endorsement by NVLAP or any agency of the U.S. government.
GeoCorp, Inc. utilizes a simple decision rule unless otherwise specified, uncertainties are not included in the Pass/Fail determination.