



**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.

GeoCorp, Inc.

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

17025 Accredited Lab

**1697**

Calibration #	BA4058	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
Degree:	° F	Point					
		32	32.2	32.2	-0.2	-0.2	-0.2
P.O. #:	4103	100	100.2	100.2	-0.2	-0.2	-0.2
		200	200.1	200.1	-0.1	-0.1	-0.1
Description:	Thermocouple Wire	400	399.4	399.4	0.6	0.6	0.6
TYPE	K	600	599.9	599.9	0.1	0.1	0.1
500'	K20-2-HG	800	800.7	800.7	-0.7	-0.7	-0.7
		1000	1001.4	1001.5	-1.4	-1.5	-1.4
		1200	1202.2	1202.3	-2.2	-2.3	-2.2
		1400	1403.0	1403.0	-3.0	-3.0	-3.0
		1600	1603.9	1603.8	-3.9	-3.8	-3.8
Spool #	GK00401-22-15A						
Test Date:	6/18/2020						
Job #:	238538						

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 E 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 E 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 2750E, BAC 5621L (no PSD's), ANSI/NC SL 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: 292827 Calibrated: 11/22/2019 Due: 11/22/2020 Type: S	Primary Sensor: A-4243 Calibrated: 4/24/2020 Due: 4/24/2021 Type: S	Primary Inst: Keithley 2701 S/N: 1212892 Calibrated: 8/14/2019 Due: 8/14/2020	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: BW by: BW Issue Date: 6/18/2020
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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

*[Signature]*  
**NOREEN ROTH**  
 APPROVED SIGNATORY

**TYPE  
 K Thermocouple Wire**

