

GeoCorp, Inc.

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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.

1726

Calibration #	Degree:	Temperature Point	Reading		Correction		ASTM E29 AVG. CORRECTION
			FRONT	BACK	FRONT	BACK	
BC1798	F	100	100.3	100.3	-0.3	-0.3	-0.3
		200	200.5	200.5	-0.5	-0.5	-0.5
		400	399.9	400.0	0.1	0.0	0.0
		600	599.3	599.4	0.7	0.6	0.6
		800	799.8	799.9	0.2	0.1	0.2
		1000	1000.5	1000.6	-0.5	-0.6	-0.6
		1200	1201.2	1201.3	-1.2	-1.3	-1.2
		1400	1401.8	1401.9	-1.8	-1.9	-1.8
		1600	1602.4	1602.5	-2.4	-2.5	-2.4
		1800	1803.0	1803.1	-3.0	-3.1	-3.0
		2000	2003.7	2003.8	-3.7	-3.8	-3.8
		2200	2204.5	2204.6	-4.5	-4.6	-4.6
		2300	2304.8	2304.9	-4.8	-4.9	-4.8
Spool Length: 1000'							
Spool #: GK11217-32-7							
Test Date: 2/10/2022							
Job #: 258219							
This item meets ASTM E230 <input checked="" type="checkbox"/> Special Limits <input type="checkbox"/> Standard Limits <input checked="" type="checkbox"/> New Calibration <input type="checkbox"/> Recalibration							
<input type="checkbox"/> BAC 5621 M, Table V +/- 2.0 °F (+/- 1.1 °C) to 1000 °F, +/- 0.4% above <input type="checkbox"/> BAC 5621 M, Table V, FL 4 +/- 2.0 °F (+/- 1.1 °C) or +/- 0.4% <input checked="" type="checkbox"/> AMS 2750 F Noble Metal +/- 1.0 °F (+/- 0.6 °C) or +/- 0.1% <input checked="" type="checkbox"/> 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/INCSSL 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-001-0							
NIST SENSOR: 0000034820 Calibrated: 7/29/2021 Due: 7/29/2022 Type: S				Primary Sensor: A-4371 Calibrated: 12/17/2021 Due: 12/17/2022 Type: S			
Humidity: 40% Nominal Ambient Temp: 72 °F Immersion Depth: 24" tech: AG by: AG Issue Date: 2/10/2022				Primary Inst: Keithley 2701 S/N: 4096981 Calibrated: 7/7/2021 Due: 7/7/2022			

Estimated uncertainty, k=2, 95 %

Thermocouple Type-K: -196 °C to < 0 °C = 0.71 °C; 0 °C to 1053 °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

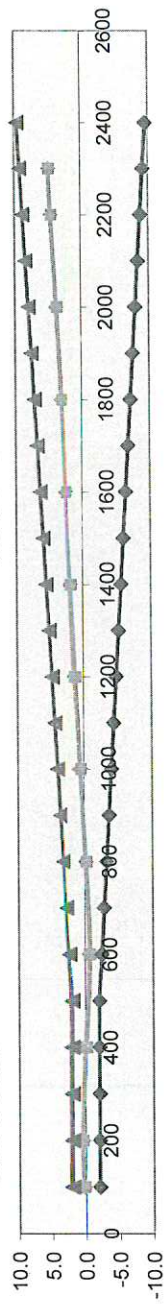
Thermocouple Type-J: -196 °C to < 0 °C = 0.70 °C; 0 °C to 760 °C = 0.88 °C

OR -321 °F to < 32 °F = 1.26 °F; 32 °F to 1400 °F = 1.58 °F

TYPE K Thermocouple Wire

NOREEN ROTH
APPROVED SIGNATORY

GRAPH DATA



RANGE
Front Actual Back Actual Upper Limit Lower Limit