

www.geocorpinc.com  
 9010 River Road • Huron, Ohio 44839  
 P: 419-433-1101 F: 419-433-1102  
 17025 Accredited Lab

## Item 1572

Calibration #	M-0974	Temperature	Reading		Correction		ASTM E29 AVG. CORRECTION	
			Point	FRONT	BACK	FRONT		BACK
Degree:	° F		100	99.7	99.8	0.3	0.2	0.2
P.O. #:	3205		200	199.6	199.6	0.4	0.4	0.4
Description: TYPE-K THERMOCOUPLE WIRE K20-2-HC 1000'			400	399.5	399.2	0.5	0.8	0.6
			600	598.9	598.9	1.1	1.1	1.1
			800	798.4	798.3	1.6	1.7	1.6
			1000	998.6	998.7	1.4	1.3	1.4
			1200	1198.9	1199.0	1.1	1.0	1.0
			1400	1399.2	1399.1	0.8	0.9	0.8
			1600	1599.0	1598.8	1.0	1.2	1.1
			1800	1798.4	1798.5	1.6	1.5	1.6
			2000	1997.7	1997.8	2.3	2.2	2.2
			2200	2197.2	2197.3	2.8	2.7	2.8
			2300	2296.7	2296.6	3.3	3.4	3.4
Spool #	GK30624-8-2A							
Test Date:	7/17/2013							

This item meets ASTM E230  Special Limits  Standard Limits  New Calibration  Recalibration

BAC 5621 K, Table IV +/- 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 K, Table IV, 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 5621K (no PSD's), ANSI/NCSL Z540-1, ISO 10012, ISO 17025, RPS 953, PWA (F-40). Measurement results are traceable to standards maintained at the NIST. Test methods are per ASTM E220-07A, ASTM E230/E230M-12, GEOCORP QW-001-L

NIST SENSOR: 283413 Calibrated: 1/22/2013 Due: 1/22/2014 Type: S	Working Std: A-3444 Calibrated: 6/22/2013 Due: 6/22/2014 Type: S	Instrument: Keithley 2701 S/N: 1118487 Calibrated: 12/14/2012 Due: 12/14/2013	Humidity: 40% Nominal Ambient Temp 72° F Immersion Depth: 24" tech: EJ by: EJ
---	---	--	--

Estimated uncertainty, K=2, 95%  
 Thermocouple Types-K and N: -196° C to < 0° C = .71° C; 0° C to 1093 = .89° C; >1093 to 1344 = 1.9° C  
 Thermocouple Type-J: -196° C to < 0° C = .70° C; 0° C to 760° C = .88° C

*Noreen Roth*  
**NOREEN ROTH**  
 APPROVED SIGNATORY

### TYPE-K THERMOCOUPLE WIRE

GRAPH DATA

VARIATION FROM TRUE TEMPERATURE

