

1000232611

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Custome	r Information
Accurate Calibration & Repair	PO #: 2209
1924 Pinnacle Drive	Reference #: 2252745Rg17025
Aurora, IL 60504	Account #: 00317
	SO #: 52745
Instrumen	t Identification
Instrument Id: R051089 / 02.41.002791	Location: R051089
Noun: Handheld Calibrator	Model: Memocal 2000
Mfr: ERO Electronic	Serial #: 02.41.002791
Accuracy: See manufacturer's specifications	
Certificati	on Information
Reason For Service: Calibration with Data	Technician: Appeaelle Bullock
Type Of Calibration: Accredited 17025	Cal Date: 27 OCT 22
As Found Condition: In Tolerance	Cal Due: 27 JAN 23
As Left Condition: Left As Found	Temperature: 22.0 °C
Procedure: MFR Manual :	Humidity: 42.0 %
Technician Remarks: Datasheet reflects Customer specifi	ed calibration points. Calibrated per AMS 2750 G.
• No sampling plan or other procedure was used for this calibration. time of calibration only and any number of factors may cause the ca calibration interval.	

• The calibration results published in this certificate were obtained using test equipment that has been calibrated by Certified Standards and are traceable through the National Institute of Standards and Technology (NIST), derived from natural physical constants, from ratio measurements, or compared to consensus standards to the International System of Units (SI).

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k=2. J.H. Metrology Co., Inc. does not apply the reported calculated measurement uncertainty to manufacturer or other sources of tolerances/specifications to determine the instrument pass or fail status. (Uncertainties are listed separately for each test point.) It is the responsibility of the Customer to consider measurement uncertainty when determining the instrument suitability.

- (!) Designates that the expanded uncertainty of measurement does not meet the 95% confidence level.
- This certificate may contain data that is not covered by our 17025 Scope of Accreditation and are marked with an asterisk (\*). Pass/Fail tests are not accredited. Calibration Standards listed on this Certificate of Calibration with a Due Date of 00 0000 are support items that do not require calibration (NPCR).
- J.H. Metrology Co., Inc.'s Calibration Control System complies with applicable requirements of ANSI Z540-1, ISO 9001:2015 (by DQS, Inc), ISO/IEC 17025:2017 (by A2LA), and when required contractually, 10CFR21.
- The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without the written permission of J.H. Metrology Co., Inc.

Metrology Technician

Neil Willert, President Quality Approval Date: Oct 27, 2022



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🖌 In Tolerance 🛛 🗶 Out	of Tolerance	(	Calib	ration Data			
Range	Nominal	As Foun	d	As Left	Min	Max	Uncertaint
			mV	Output			
-4 mV to 20 mV	-4.000	-4.00012	<ul> <li>✓</li> </ul>	As Found	-4.004	-3.996	0.00060 mV
	0.000	-0.00046	<ul> <li>✓</li> </ul>	As Found	-0.004	0.004	0.00059 mV
	5.000	4.99958	<ul> <li>Image: A start of the start of</li></ul>	As Found	4.996	5.004	0.00060 mV
	10.000	9.99983	<ul> <li>Image: A start of the start of</li></ul>	As Found	9.996	10.004	0.00061 mV
	15.000	14.99972	<ul> <li>✓</li> </ul>	As Found	14.996	15.004	0.00062 mV
	20.000	19.99967	<ul> <li>Image: A start of the start of</li></ul>	As Found	19.996	20.004	0.00063 mV
-40 mV to 200 mV	-40.00	-40.00064	<ul> <li>Image: A start of the start of</li></ul>	As Found	-40.04	-39.96	0.0058 mV
	0.00	-0.00287	<ul> <li>Image: A start of the start of</li></ul>	As Found	-0.04	0.04	0.0058 mV
	50.00	49.99481	<ul> <li>Image: A start of the start of</li></ul>	As Found	49.96	50.04	0.0058 mV
	100.00	99.99693	<ul> <li>Image: A start of the start of</li></ul>	As Found	99.96	100.04	0.0059 mV
	150.00	149.99502	<ul> <li>Image: A start of the start of</li></ul>	As Found	149.96	150.04	0.0059 mV
	200.00	199.9974	<ul> <li>Image: A start of the start of</li></ul>	As Found	199.96	200.04	0.0060 mV
-400 mV to 2000 mV	-400.0	-400.0099	<ul> <li>Image: A start of the start of</li></ul>	As Found	-400.4	-399.4	0.058 mV
	0.0	-0.05652	<ul> <li>Image: A start of the start of</li></ul>	As Found	-0.4	0.4	0.058 mV
	500.0	499.9808	<ul> <li>Image: A start of the start of</li></ul>	As Found	499.6	500.4	0.058 mV
	1000.0	999.9561	<ul> <li>Image: A start of the start of</li></ul>	As Found	999.6	1000.4	0.058 mV
	1500.0	1499.9790	<ul> <li>Image: A start of the start of</li></ul>	As Found	1499.6	1500.4	0.059 mV
	2000.0	2000.096	<ul> <li>Image: A start of the start of</li></ul>	As Found	1999.6	2000.4	0.060 mV
-4000 mV to 20000 mV	-4000	-3999.945	<ul> <li>Image: A start of the start of</li></ul>	As Found	-4005	-3995	0.58 mV
	0	-0.36239	<ul> <li>Image: A start of the start of</li></ul>	As Found	-5	5	0.58 mV
	5000	4999.926	<ul> <li>Image: A start of the start of</li></ul>	As Found	4995	5005	0.58 mV
	10000	9999.642	<ul> <li>Image: A start of the start of</li></ul>	As Found	9995	10005	0.58 mV
	15000	14999.834	<ul> <li>Image: A start of the start of</li></ul>	As Found	14995	15005	0.59 mV
	20000	20000.18	<ul> <li>Image: A start of the start of</li></ul>	As Found	19995	20005	0.61 mV
· · ·		n	יע Me	asurement			1
-20 mV to 20 mV	-20.000	-19.999	<ul> <li>✓</li> </ul>	As Found	-20.006	-19.994	0.00090 mV
	0.000	-0.001	<ul> <li>Image: A start of the start of</li></ul>	As Found	-0.006	0.006	0.00077 mV
	5.000	4.999	<ul> <li>Image: A start of the start of</li></ul>	As Found	4.994	5.006	0.00080 mV
	10.000	9.998	<ul> <li>Image: A start of the start of</li></ul>	As Found	9.994	10.006	0.00083 mV
	15.000	14.998	<ul> <li>Image: A start of the start of</li></ul>	As Found	14.994	15.006	0.00086 mV
	20.000	19.998	<ul> <li>Image: A start of the start of</li></ul>	As Found	19.994	20.006	0.00090 mV
-200 mV to 200 mV	-200.00	-199.98	<ul> <li>Image: A start of the start of</li></ul>	As Found	-200.06	-199.94	0.0063 mV
	0.00	0.00	<ul> <li>Image: A start of the start of</li></ul>	As Found	-0.06	0.06	0.0058 mV
	50.00	50.00	<ul> <li>✓</li> </ul>	As Found	49.94	50.06	0.0059 mV

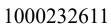


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🗸 In Tolerance 🛛 🗴 Out	of Tolerance	(	Calib	ration Data			
Range	Nominal	As Found	d	As Left	Min	Max	Uncertaint
·		'n	יא Me	easurement			
	100.00	100.00	<ul> <li>Image: A start of the start of</li></ul>	As Found	99.94	100.06	0.0060 mV
	150.00	150.00	<ul> <li>Image: A start of the start of</li></ul>	As Found	149.94	150.06	0.0061 mV
	200.00	200.01	<ul> <li>Image: A start of the start of</li></ul>	As Found	199.94	200.06	0.0063 mV
-2000 mV to 2000 mV	-2000.0	-1999.7	<ul> <li>Image: A start of the start of</li></ul>	As Found	-2000.6	-1999.4	0.060 mV
	0.0	0.0	<ul> <li>Image: A start of the start of</li></ul>	As Found	-0.6	0.6	0.058 mV
	500.0	500.0	<ul> <li>Image: A start of the start of</li></ul>	As Found	499.4	500.6	0.058 mV
	1000.0	999.9	<ul> <li>Image: A start of the start of</li></ul>	As Found	999.4	1000.6	0.059 mV
	1500.0	1500.0	$\checkmark$	As Found	1499.4	1500.6	0.059 mV
	2000.0	2000.0	$\checkmark$	As Found	1999.4	2000.6	0.060 mV
-20000 mV to 20000 mV	-20000	-19998	$\checkmark$	As Found	-20008	-19992	0.59 mV
	0	0	<ul> <li>Image: A start of the start of</li></ul>	As Found	-8	8	0.58 mV
	5000	5000	<ul> <li>Image: A start of the start of</li></ul>	As Found	4992	5008	0.58 mV
	10000	9999	<ul> <li>Image: A start of the start of</li></ul>	As Found	9992	10008	0.58 mV
	15000	15000	<ul> <li>Image: A start of the start of</li></ul>	As Found	14992	15008	0.59 mV
	20000	20000	<ul> <li>Image: A start of the start of</li></ul>	As Found	19992	20008	0.59 mV
ł			mA	Output	•		
0 mA to 21 mA	0.000	-0.00006415	<ul> <li>✓</li> </ul>	As Found	-0.003	0.003	0.00058 mA
	1.000	0.9999363	$\checkmark$	As Found	0.997	1.003	0.00058 mA
	5.000	4.999607	<ul> <li>Image: A start of the start of</li></ul>	As Found	4.997	5.003	0.00060 mA
	10.000	9.999629	<ul> <li>Image: A start of the start of</li></ul>	As Found	9.997	10.003	0.00062 mA
	15.000	14.999252	<ul> <li>Image: A start of the start of</li></ul>	As Found	14.997	15.003	0.00066 mA
	21.000	20.99909	<ul> <li>Image: A start of the start of</li></ul>	As Found	20.997	21.003	0.00072 mA
1		'n	nA Me	easurement			
-20 mA to 20 mA	-20.000	-19.998	<ul> <li>✓</li> </ul>	As Found	-20.006	-19.994	0.0011 mA
	0.000	-0.001	<ul> <li>Image: A start of the start of</li></ul>	As Found	-0.006	0.006	0.00058 mA
	5.000	4.999	<ul> <li>Image: A start of the start of</li></ul>	As Found	4.994	5.006	0.00063 mA
	10.000	9.998	<ul> <li>Image: A start of the start of</li></ul>	As Found	9.994	10.006	0.00074 mA
	15.000	14.999	<ul> <li>Image: A start of the start of</li></ul>	As Found	14.994	15.006	0.00087 mA
	20.000	19.999	<ul> <li>✓</li> </ul>	As Found	19.994	20.006	0.0011 mA
-130 mA to 130 mA	-130.00	-130.00	<ul> <li>Image: A start of the start of</li></ul>	As Found	-130.05	-129.95	0.0094 mA
	0.00	0.00	<ul> <li>Image: A start of the start of</li></ul>	As Found	-0.05	0.05	0.0058 mA
	10.00	10.00	<ul> <li>✓</li> </ul>	As Found	9.95	10.05	0.0058 mA
		50.00	✓		49.95		



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METROLOGY



**Calibration Data** ✓ In Tolerance X Out of Tolerance As Found Max Uncertainty Range Nominal As Left Min **mA Measurement** As Found 100.00 100.01  $\checkmark$ 99.95 100.05 0.0082 mA  $\checkmark$ 130.00 130.01 As Found 129.95 130.05 0.0094 mA RTD Pt. 100 Ohm Measurement (-200° to 850°C) 20.68 Ohms -195.0 -195.0  $\checkmark$ As Found -195.6 -194.4 0.058 °C 60.26 Ohms -100.0 -100.1  $\checkmark$ As Found -100.6 -99.4 0.058 °C  $\checkmark$ 100.00 Ohms 0.0 -0.1 As Found -0.6 0.6 0.058 °C  $\checkmark$ 138.51 Ohms 100.0 99.9 As Found 99.4 100.6 0.058 °C ✓ As Found 280.98 Ohms 500.0 500.0 499.4 500.6 0.059 °C  $\checkmark$ 389.02 Ohms 845.0 844.7 As Found 844.1 845.9 0.060 °C **Ohms Measurement**  $\checkmark$ As Found 0.2 0 to 800 Ohms 0.0 0.0 -0.2 0.058 Ohms  $\checkmark$ As Found 10.2 10.0 10.0 9.8 0.058 Ohms 99.9  $\checkmark$ As Found 100.2 100.0 99.8 0.058 Ohms 300.0 300.0  $\checkmark$ As Found 299.8 300.2 0.058 Ohms 500.0 500.0  $\checkmark$ As Found 499.8 500.2 0.058 Ohms  $\checkmark$ 790.0 789.9 As Found 789.8 790.2 0.059 Ohms **Thermocouple Measurement** Type E -328° to 1832°F -328.0 -328.0 As Found -329.0 -327.0  $\checkmark$ 0.061 °F  $\checkmark$ -200.0 -200.2 As Found -201.0 -199.0 0.058 °F ✓ 0.0 -0.2 As Found -1.0 1.0 0.058 °F  $\checkmark$ 32.0 32.0 As Found 31.0 33.0 0.058 °F  $\checkmark$ 200.0 199.8 As Found 199.0 201.0 0.058 °F  $\checkmark$ 399.9 As Found 401.0 400.0 399.0 0.058 °F  $\checkmark$ 600.0 600.1 As Found 599.0 601.0 0.058 °F  $\checkmark$ 800.0 800.1 As Found 799.0 801.0 0.058 °F 1000.0 1000.0  $\checkmark$ 1001.0 As Found 999.0 0.058 °F  $\checkmark$ 1200.0 As Found 1201.2 1200.0 1198.8 0.058 °F  $\checkmark$ 1400.0 1400.0 As Found 1398.6 1401.4 0.059 °F 1600.0 1600.0  $\checkmark$ As Found 1598.4 1601.6 0.059 °F 1832.0 1832.2  $\checkmark$ As Found 1830.2 1833.8 0.059 °F Type J -328° to 2192°F  $\checkmark$ As Found -328.0 -328.2 -329.0 -327.0 0.058 °F -200.0 -200.0  $\checkmark$ As Found -201.0 -199.0 0.058 °F 0.0 -0.2  $\checkmark$ As Found -1.0 1.0 0.058 °F





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🗸 In Tolerance 🛛 🗴 O	ut of Tolerance		Calib	ration Data			
Range	Nominal	As Foun	d	As Left	Min	Max	Uncertaint
		Therm	ocouj	ole Measuremen	it		
	32.0	32.0	<ul> <li>✓</li> </ul>	As Found	31.0	33.0	0.058 °F
	200.0	199.8	<ul> <li>✓</li> </ul>	As Found	199.0	201.0	0.058 °F
	400.0	399.7	<ul> <li>✓</li> </ul>	As Found	399.0	401.0	0.058 °F
	600.0	600.1	<ul> <li>Image: A start of the start of</li></ul>	As Found	599.0	601.0	0.058 °F
	800.0	799.9	<ul> <li>Image: A start of the start of</li></ul>	As Found	799.0	801.0	0.058 °F
	1000.0	999.9	<ul> <li>Image: A start of the start of</li></ul>	As Found	999.0	1001.0	0.059 °F
	1200.0	1200.0	<ul> <li>Image: A start of the start of</li></ul>	As Found	1198.8	1201.2	0.059 °F
	1600.0	1600.0	<ul> <li>✓</li> </ul>	As Found	1598.4	1601.6	0.059 °F
	1800.0	1800.0	<ul> <li>Image: A start of the start of</li></ul>	As Found	1798.2	1801.8	0.059 °F
	2192.0	2192.0	<ul> <li>✓</li> </ul>	As Found	2189.8	2194.2	0.060 °F
Type K -328° to 2498°	-328.0	-328.0	<ul> <li>Image: A start of the start of</li></ul>	As Found	-329.0	-327.0	0.079 °F
	-200.0	-200.2	<ul> <li>✓</li> </ul>	As Found	-201.0	-199.0	0.058 °F
	0.0	-0.2	<ul> <li>✓</li> </ul>	As Found	-1.0	1.0	0.058 °F
	32.0	32.0	<ul> <li>✓</li> </ul>	As Found	31.0	33.0	0.058 °F
	200.0	199.9	<ul> <li>✓</li> </ul>	As Found	199.0	201.0	0.058 °F
	400.0	399.7	<ul> <li>✓</li> </ul>	As Found	399.0	401.0	0.058 °F
	600.0	599.9	<ul> <li>✓</li> </ul>	As Found	599.0	601.0	0.058 °F
	800.0	799.9	<ul> <li>✓</li> </ul>	As Found	799.0	801.0	0.058 °F
	1000.0	999.9	<ul> <li>✓</li> </ul>	As Found	999.0	1001.0	0.059 °F
	1200.0	1200.0	<ul> <li>✓</li> </ul>	As Found	1198.8	1201.2	0.059 °F
	1400.0	1400.0	<ul> <li>✓</li> </ul>	As Found	1398.6	1401.4	0.059 °F
	1600.0	1600.0	<ul> <li>✓</li> </ul>	As Found	1598.4	1601.6	0.059 °F
	1800.0	1800.0	<ul> <li>✓</li> </ul>	As Found	1798.2	1801.8	0.059 °F
	2000.0	1999.8	<ul> <li>✓</li> </ul>	As Found	1998.0	2002.0	0.059 °F
	2200.0	2199.7	<ul> <li>✓</li> </ul>	As Found	2197.8	2202.2	0.062 °F
	2498.0	2497.6	<ul> <li>✓</li> </ul>	As Found	2495.5	2500.5	0.062 °F
Type T -328° to 752°		-328.2	<ul> <li>✓</li> </ul>	As Found	-329.0	-327.0	0.066 °F
	-200.0	-200.2	<ul> <li>✓</li> </ul>	As Found	-201.0	-199.0	0.059 °F
	0.0	-0.2	<ul> <li>✓</li> </ul>	As Found	-1.0	1.0	0.058 °F
	32.0	31.8	<ul> <li>✓</li> </ul>	As Found	31.0	33.0	0.058 °F
	200.0	199.9	✓	As Found	199.0	201.0	0.058 °F
	400.0	399.9	✓	As Found	399.0	401.0	0.058 °F
	600.0	600.1	✓	As Found	599.0	601.0	0.058 °F
	752.0	752.0	· ·	As Found	751.0	753.0	0.058 °F



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🗸 In Tolerance 🛛 🗴 Out	of Tolerance		Calib	ration Data			
Range	Nominal	As Foun	d	As Left	Min	Max	Uncertaint
		Therm	ocoup	ole Measuremen	t		
Type R -58° to 3214°F	-50.0	-51.2	<ul> <li>✓</li> </ul>	As Found	-52.6	-47.4	0.065 °F
	0.0	-0.8	<ul> <li>Image: A start of the start of</li></ul>	As Found	-2.6	2.6	0.065 °F
	32.0	31.3	<ul> <li>Image: A start of the start of</li></ul>	As Found	29.4	34.6	0.065 °F
	200.0	199.4	<ul> <li>Image: A start of the start of</li></ul>	As Found	198.4	201.6	0.061 °F
	400.0	399.7	<ul> <li>Image: A start of the start of</li></ul>	As Found	398.8	401.2	0.060 °F
	600.0	599.7	<ul> <li>Image: A start of the start of</li></ul>	As Found	599.0	601.0	0.060 °F
	800.0	799.7	<ul> <li>Image: A start of the start of</li></ul>	As Found	799.0	801.0	0.060 °F
	1000.0	999.9	<ul> <li>Image: A start of the start of</li></ul>	As Found	999.0	1001.0	0.060 °F
	1200.0	1199.7	<ul> <li>Image: A start of the start of</li></ul>	As Found	1198.8	1201.2	0.060 °F
	1400.0	1399.8	<ul> <li>✓</li> </ul>	As Found	1398.6	1401.4	0.060 °F
	1600.0	1599.6	<ul> <li>✓</li> </ul>	As Found	1598.4	1601.6	0.060 °F
	1800.0	1799.6	<ul> <li>✓</li> </ul>	As Found	1798.2	1801.8	0.060 °F
	2000.0	1999.6	<ul> <li>✓</li> </ul>	As Found	1998.0	2002.0	0.060 °F
	2200.0	2199.6	<ul> <li>✓</li> </ul>	As Found	2197.8	2202.2	0.060 °F
	2800.0	2800.0	<ul> <li>✓</li> </ul>	As Found	2797.2	2802.8	0.063 °F
	3200.0	3199.6	<ul> <li>✓</li> </ul>	As Found	3196.8	3203.2	0.063 °F
Type S -58° to 3214°F	-50.0	-50.6	<ul> <li>✓</li> </ul>	As Found	-52.0	-48.0	0.065 °F
	0.0	-0.6	<ul> <li>✓</li> </ul>	As Found	-2.0	2.0	0.065 °F
	32.0	31.3	<ul> <li>✓</li> </ul>	As Found	30.0	34.0	0.065 °F
	200.0	199.6	<ul> <li>✓</li> </ul>	As Found	198.8	201.2	0.061 °F
	400.0	399.6	<ul> <li>✓</li> </ul>	As Found	398.8	401.2	0.060 °F
	600.0	599.5	<ul> <li>✓</li> </ul>	As Found	599.0	601.0	0.060 °F
	800.0	799.7	<ul> <li>✓</li> </ul>	As Found	799.0	801.0	0.060 °F
	1000.0	999.7	<ul> <li>✓</li> </ul>	As Found	999.0	1001.0	0.061 °F
	1200.0	1199.8	<ul> <li>✓</li> </ul>	As Found	1198.8	1201.2	0.061 °F
	1400.0	1399.8	<ul> <li>✓</li> </ul>	As Found	1398.6	1401.4	0.061 °F
	1600.0	1599.6	<ul> <li>✓</li> </ul>	As Found	1598.4	1601.6	0.061 °F
	1800.0	1799.6	<ul> <li>✓</li> </ul>	As Found	1798.2	1801.8	0.061 °F
	2000.0	1999.5	<ul> <li>✓</li> </ul>	As Found	1998.0	2002.0	0.061 °F
	2200.0	2199.6	<ul> <li>✓</li> </ul>	As Found	2197.8	2202.2	0.061 °F
	2800.0	2799.9	<ul> <li>✓</li> </ul>	As Found	2797.2	2802.8	0.064 °F
	3200.0	3199.6	<ul> <li>✓</li> </ul>	As Found	3196.8	3203.2	0.064 °F
Type N 32° to 2570°F	32.0	31.8	<ul> <li>✓</li> </ul>	As Found	31.0	33.0	0.058 °F
	200.0	199.8	✓	As Found	199.0	201.0	0.058 °F



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✓ In Tolerance	of Tolerance			ration Data			
Range	Nominal	As Foun	d	As Left	Min	Max	Uncertaint
		Therm	ocoup	ole Measurement	:		
	400.0	399.7	<ul> <li>✓</li> </ul>	As Found	399.0	401.0	0.058 °F
	600.0	599.9	<ul> <li>Image: A start of the start of</li></ul>	As Found	599.0	601.0	0.058 °F
	800.0	799.9	<ul> <li>Image: A start of the start of</li></ul>	As Found	799.0	801.0	0.058 °F
	1000.0	999.9	<ul> <li>Image: A start of the start of</li></ul>	As Found	999.0	1001.0	0.059 °F
	1200.0	1199.8	<ul> <li>Image: A start of the start of</li></ul>	As Found	1198.8	1201.2	0.059 °F
	1400.0	1399.8	<ul> <li>Image: A start of the start of</li></ul>	As Found	1398.6	1401.4	0.059 °F
	1600.0	1600.0	<ul> <li>Image: A start of the start of</li></ul>	As Found	1598.4	1601.6	0.059 °F
	1800.0	1800.0	<ul> <li>Image: A start of the start of</li></ul>	As Found	1798.2	1801.8	0.059 °F
	2000.0	1999.9	<ul> <li>Image: A start of the start of</li></ul>	As Found	1998.0	2002.0	0.059 °F
	2200.0	2199.7	<ul> <li>Image: A start of the start of</li></ul>	As Found	2197.8	2202.2	0.060 °F
	2370.0	2369.8	<ul> <li>Image: A start of the start of</li></ul>	As Found	2367.6	2372.4	0.060 °F
Type B 122° to 3276°F	150.0	144.9	<ul> <li>✓</li> </ul>	As Found	126.3	173.7	0.15 °F
	200.0	194.4	<ul> <li>Image: A start of the start of</li></ul>	As Found	176.3	223.7	0.15 °F
	400.0	398.3	<ul> <li>Image: A start of the start of</li></ul>	As Found	396.2	403.8	0.074 °F
	600.0	598.5	<ul> <li>Image: A start of the start of</li></ul>	As Found	596.2	603.8	0.064 °F
	800.0	798.6	<ul> <li>Image: A start of the start of</li></ul>	As Found	798.0	802.0	0.064 °F
	1000.0	999.0	<ul> <li>Image: A start of the start of</li></ul>	As Found	998.0	1002.0	0.062 °F
	1200.0	1199.5	<ul> <li>Image: A start of the start of</li></ul>	As Found	1198.0	1202.0	0.062 °F
	1400.0	1399.5	<ul> <li>✓</li> </ul>	As Found	1398.6	1401.4	0.060 °F
	1600.0	1599.4	<ul> <li>Image: A start of the start of</li></ul>	As Found	1598.4	1601.6	0.060 °F
	1800.0	1799.4	<ul> <li>Image: A start of the start of</li></ul>	As Found	1798.2	1801.8	0.060 °F
	2000.0	1999.6	<ul> <li>Image: A start of the start of</li></ul>	As Found	1998.0	2002.0	0.060 °F
	2200.0	2199.6	<ul> <li>Image: A start of the start of</li></ul>	As Found	2197.8	2202.2	0.060 °F
	2600.0	2599.7	<ul> <li>Image: A start of the start of</li></ul>	As Found	2597.4	2602.6	0.060 °F
	3000.0	2999.8	<ul> <li>Image: A start of the start of</li></ul>	As Found	2997.0	3003.0	0.061 °F
	3272.0	3271.8	<ul> <li>Image: A start of the start of</li></ul>	As Found	3268.7	3275.3	0.061 °F
•		The	ermoc	ouple Output			
Type E -328° to 1832°F	-328.0	-328.00	<ul> <li>✓</li> </ul>	As Found	-329.0	-327.0	0.061 °F
	-200.0	-199.88	<ul> <li>✓</li> </ul>	As Found	-201.0	-199.0	0.058 °F
	32.0	32.00	<ul> <li>✓</li> </ul>	As Found	31.0	33.0	0.058 °F
	600.0	599.97	<ul> <li>Image: A start of the start of</li></ul>	As Found	599.0	601.0	0.058 °F
	1000.0	999.99	<ul> <li>Image: A start of the start of</li></ul>	As Found	999.0	1001.0	0.058 °F
	1832.0	1831.77	<ul> <li>Image: A start of the start of</li></ul>	As Found	1830.2	1833.8	0.059 °F
Type J -328° to 2192°F	-328.0	-327.84	<ul> <li>✓</li> </ul>	As Found	-329.0	-327.0	0.058 °F



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	of Tolerance			A T C	3.41	M	
Range	Nominal	As Foun	d	As Left	Min	Max	Uncertaint
		The	ermoc	ouple Output			
	-200.0	-199.98	<ul> <li>✓</li> </ul>	As Found	-201.0	-199.0	0.058 °F
	32.0	31.98	<ul> <li>✓</li> </ul>	As Found	31.0	33.0	0.058 °F
	800.0	799.97	<ul> <li>✓</li> </ul>	As Found	799.0	801.0	0.058 °F
	1600.0	1599.85	<ul> <li>✓</li> </ul>	As Found	1598.4	1601.6	0.059 °F
	2192.0	2191.96	<ul> <li>✓</li> </ul>	As Found	2189.8	2194.2	0.060 °F
Type K -328° to 2498°F	-328.0	-327.50	<ul> <li>✓</li> </ul>	As Found	-329.0	-327.0	0.079 °F
	-200.0	-200.00	<ul> <li>Image: A start of the start of</li></ul>	As Found	-201.0	-199.0	0.058 °F
	32.0	31.98	<ul> <li>Image: A start of the start of</li></ul>	As Found	31.0	33.0	0.058 °F
	600.0	600.10	<ul> <li>Image: A start of the start of</li></ul>	As Found	599.0	601.0	0.058 °F
	1600.0	1599.84	<ul> <li>Image: A start of the start of</li></ul>	As Found	1598.4	1601.6	0.059 °F
	2498.0	2497.82	<ul> <li>Image: A start of the start of</li></ul>	As Found	2495.5	2500.5	0.062 °F
Type T -328° to 752°F	-328.0	-327.64	<ul> <li>Image: A start of the start of</li></ul>	As Found	-329.0	-327.0	0.066 °F
	-200.0	-199.93	<ul> <li>Image: A start of the start of</li></ul>	As Found	-201.0	-199.0	0.059 °F
	32.0	32.00	<ul> <li>Image: A start of the start of</li></ul>	As Found	31.0	33.0	0.058 °F
	200.0	199.89	<ul> <li>Image: A start of the start of</li></ul>	As Found	199.0	201.0	0.058 °F
	400.0	399.88	<ul> <li>Image: A start of the start of</li></ul>	As Found	399.0	401.0	0.058 °F
	752.0	751.87	<ul> <li>Image: A start of the start of</li></ul>	As Found	751.0	753.0	0.058 °F
Type R -58° to 3214°F	-50.0	-49.81	<ul> <li>Image: A start of the start of</li></ul>	As Found	-52.6	-47.4	0.065 °F
	32.0	31.91	<ul> <li>Image: A start of the start of</li></ul>	As Found	29.4	34.6	0.065 °F
	600.0	599.95	<ul> <li>Image: A start of the start of</li></ul>	As Found	599.0	601.0	0.060 °F
	1600.0	1599.87	<ul> <li>Image: A start of the start of</li></ul>	As Found	1598.4	1601.6	0.060 °F
	2200.0	2199.87	<ul> <li>Image: A start of the start of</li></ul>	As Found	2197.8	2202.2	0.060 °F
	3200.0	3199.37	<ul> <li>Image: A start of the start of</li></ul>	As Found	3196.8	3203.2	0.063 °F
Type S -58° to 3214°F	-50.0	-49.79	<ul> <li>Image: A start of the start of</li></ul>	As Found	-52.0	-48.0	0.065 °F
	32.0	31.87	<ul> <li>Image: A start of the start of</li></ul>	As Found	30.0	34.0	0.065 °F
	600.0	600.08	<ul> <li>Image: A start of the start of</li></ul>	As Found	599.0	601.0	0.060 °F
	1600.0	1599.78	<ul> <li>Image: A start of the start of</li></ul>	As Found	1598.4	1601.6	0.061 °F
	2200.0	2199.74	<ul> <li>Image: A start of the start of</li></ul>	As Found	2197.8	2202.2	0.061 °F
	3200.0	3199.75	<ul> <li>Image: A start of the start of</li></ul>	As Found	3196.8	3203.2	0.064 °F
Type N 32° to 2570°F	32.0	32.00	<ul> <li>Image: A start of the start of</li></ul>	As Found	31.0	33.0	0.058 °F
	600.0	600.15	<ul> <li>Image: A start of the start of</li></ul>	As Found	599.0	601.0	0.058 °F
	1400.0	1399.82	<ul> <li>✓</li> </ul>	As Found	1398.6	1401.4	0.059 °F
	1600.0	1599.82	<ul> <li>Image: A start of the start of</li></ul>	As Found	1598.4	1601.6	0.059 °F
	2000.0	1999.67	<ul> <li>✓</li> </ul>	As Found	1998.0	2002.0	0.059 °F



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🗸 In Tolerance 🛛 🗶 Out	t of Tolerance	С	alib	ration Data			
Range	Nominal	As Found		As Left	Min	Max	Uncertainty
·		Ther	moc	ouple Output		1	
	2370.0	2369.86	$\checkmark$	As Found	2367.6	2372.4	0.060 °F
Type B 122° to 3276°F	150.0	146.2	$\checkmark$	As Found	126.3	173.7	0.15 °F
	1200.0	1199.68	$\checkmark$	As Found	1198.0	1202.0	0.062 °F
	1600.0	1599.89	✓	As Found	1598.4	1601.6	0.060 °F
	2000.0	1999.94	✓	As Found	1998.0	2002.0	0.060 °F
	2600.0	2599.90	✓	As Found	2597.4	2602.6	0.060 °F
	3272.0	3271.75	✓	As Found	3268.7	3275.3	0.061 °F
		i		End of Datasheet	1	1	1

of Datasheet

#### **Calibration Standards**

NIST Traceable #	Instrument ID#	Description	Model	Calibration Date	Date Due
1000226988	00888	Calibrator	5720A	11 JAN 2022	31 JAN 2023
1000229215	00266	High Impedance Voltmeter-Null Detector	845AR	02 MAY 2022	30 APR 2023
1000229225	00522	Resistance Standard	RS925A	02 MAY 2022	30 APR 2023
1000229248	01196	RH/Temperature Data Logger	EL-USB-2-LCD	31 MAY 2022	30 APR 2023
1000229782	00890	Multimeter, 8.5 Digit Reference	8508A-01	26 MAY 2022	31 MAY 2023