As Left Condition: Left As Found	Temperature:	22.5 °C	
Procedure: MFR Manual :	Humidity:	47.0 %	
Technician Remarks: Calibrated per AMS 2750 G at Customer specified calibration points.			
• No sampling plan or other procedure was used for this calibration. Measurements and information on this certificate time of calibration only and any number of factors may cause the calibrated item to drift out of tolerance before the a calibration interval.			
• The calibration results published in this certificate were obtained using test equipment that has been calibrated by Ce and are traceable through the National Institute of Standards and Technology (NIST), derived from natural physical 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 factor of k=2. J.H. Metrology Co., Inc. does not apply the reported calculated measurement uncertainty to manufactur sources of tolerances/specifications to determine the instrument pass or fail status. (Uncertainties are listed separated point.) It is the responsibility of the Customer to consider measurement uncertainty when determining the instrument	rer or other ly for each test		
• (!) 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 as	terisk (*). 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

The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without the

J.H. Metrology Co., Inc.'s Calibration Control System complies with applicable requirements of ANSI Z540-1, ISO 9001:2015 (by DQS, Inc),

1924 Pinnacle Drive Aurora, IL 60504

Instrument Id: 49103 Mfr: Omega

Reason For Service: Calibration with Data

Type Of Calibration: Accredited 17025

do not require calibration (NPCR).

Metrology Technician

written permission of J.H. Metrology Co., Inc.

ISO/IEC 17025:2017 (by A2LA), and when required contractually, 10CFR21.

As Found Condition: In Tolerance

Noun: Multifunction Calibrator, 2 Channel Accuracy: See manufacturer's specifications

Model: CL525 Serial #: 49103

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Instrument Identification

Certification Information

PO #: 2210 Reference #: 2252795Rg17025 Account #: 00317 SO #: 52795

Technician: Appeaelle Bullock

Cal Date: 03 NOV 22

Cal Due: 03 FEB 23

Certificate of Calibration

Customer Information Accurate Calibration & Repair

METROLOGY



Neil Willert, President Quality Approval Date: Nov 03, 2022

JH Metrology Co, Inc. • 1801 Hicks Road, Unit E • Rolling Meadows, Illinois 60008 • Phone: (847) 991-0290 • Fax: (847) 991-0348

Location:



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🖊 In Tolerance 🛛 🗶	Out of Tolerance	(C <mark>alib</mark>	ration Data			
Range	Nominal	As Found		As Left	Min	Max	Uncertaint
		Volta	ge O	utput Accuracy			
-20 to 200 n	NV -20.000	-19.99932	 ✓ 	As Found	-20.004	-19.996	0.00063 mV
	0.000	0.00027	 Image: A start of the start of	As Found	-0.002	0.002	0.00059 mV
	10.000	10.00005	 ✓ 	As Found	9.997	10.003	0.00061 mV
	50.000	49.99912	 ✓ 	As Found	49.993	50.007	0.00073 mV
	100.000	99.99809	 Image: A start of the start of	As Found	99.988	100.012	0.00097 mV
	200.000	199.9974	 Image: A start of the start of	As Found	199.978	200.022	0.0016 mV
-0.2 to 2	V -0.20000	-0.1999951	 Image: A start of the start of	As Found	-0.20003	-0.19997	0.0000060 V
	-0.10000	-0.09999692	 Image: A start of the start of	As Found	-0.10002	-0.09998	0.0000059 V
	0.00000	0.00000165	 Image: A start of the start of	As Found	-0.00001	0.00001	0.000058 V
	0.50000	0.4999922	 Image: A start of the start of	As Found	0.49994	0.50006	0.000064 V
	1.00000	0.9999841	 Image: A start of the start of	As Found	0.99989	1.00011	0.0000077 V
	2.00000	1.999979	 Image: A start of the start of	As Found	1.99979	2.00021	0.000016 V
-2 to 20	V -2.00000	-1.999933	 Image: A start of the start of	As Found	-2.00028	-1.99972	0.000060 V
	-1.00000	-0.9999631	 Image: A start of the start of	As Found	-1.00018	-0.99982	0.000058 V
	0.00000	0.00001971	 ✓ 	As Found	-0.00008	0.00008	0.000058 V
	5.00000	4.999922	 Image: A start of the start of	As Found	4.99942	5.00058	0.000064 V
	10.00000	9.999839	 Image: A start of the start of	As Found	9.99892	10.00108	0.000077 V
	20.00000	19.99978	 Image: A start of the start of	As Found	19.99792	20.00208	0.00020 V
		Volt	age li	nput Accuracy			i
-20 to 200 n	V -20.000	-20.000	 ✓ 	As Found	-20.005	-19.995	0.00090 mV
	-10.000	-10.000	 Image: A start of the start of	As Found	-10.004	-9.996	0.00083 mV
	0.000	0.000	 Image: A start of the start of	As Found	-0.003	0.003	0.00077 mV
	50.000	50.000	 ✓ 	As Found	49.993	50.007	0.0012 mV
	100.000	100.001	 Image: A start of the start of	As Found	99.987	100.013	0.0016 mV
	200.000	200.002	 ✓ 	As Found	199.977	200.023	0.0024 mV
-200 to 2000 n	V -200.00	-200.00	 ✓ 	As Found	-200.04	-199.96	0.0063 mV
	-100.00	-100.00	 Image: A start of the start of	As Found	-100.03	-99.97	0.0060 mV
	0.00	0.00	 Image: A start of the start of	As Found	-0.02	0.02	0.0058 mV
	100.00	99.99	 Image: A start of the start of	As Found	99.97	100.03	0.0060 mV
	500.00	500.00	 Image: A start of the start of	As Found	499.93	500.07	0.0070 mV
	1000.00	1000.00	 Image: A start of the start of	As Found	999.88	1000.12	0.0090 mV
	2000.00	2000.01	 ✓ 	As Found	1999.78	2000.22	0.014 mV
-2 to 20	V -2.0000	-2.0000	 Image: A start of the start of	As Found	-2.0004	-1.9996	0.000060 V
	-1.0000	-1.0000	\checkmark	As Found	-1.0003	-0.9997	0.000059 V



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In Tolerance 🗴 Out	of Tolerance			ration Data			
Range	Nominal	As Found	l	As Left	Min	Max	Uncertainty
		Volt	age Ir	nput Accuracy			
	0.0000	0.0000	 ✓ 	As Found	-0.0002	0.0002	0.000058 V
	2.0000	1.9999	\checkmark	As Found	1.9996	2.0004	0.000060 V
	5.0000	5.0000	 Image: A start of the start of	As Found	4.9993	5.0007	0.000063 V
	10.0000	10.0000	\checkmark	As Found	9.9988	10.0012	0.000072 V
	20.0000	20.0000	 ✓ 	As Found	19.9978	20.0022	0.00011 V
		mAn	ıp Ou	tput Accuracy			
0 to 50 mA	0.0000	0.00005749	 ✓ 	As Found	-0.0004	0.0004	0.000058 mA
	1.0000	0.9999967	 ✓ 	As Found	0.9995	1.0005	0.000062 mA
	5.0000	4.999810	\checkmark	As Found	4.9991	5.0009	0.00015 mA
	10.0000	9.999531	 ✓ 	As Found	9.9986	10.0014	0.00023 mA
	30.0000	29.99872	 ✓ 	As Found	29.9966	30.0034	0.0026 mA
	50.0000	49.99885	 ✓ 	As Found	49.9946	50.0054	0.0038 mA
·		mA	mp In	put Accuracy	,		
-5 to 50 mA	-5.0000	-4.999	✓	As Found	-5.0013	-4.9987	0.00026 mA
	1.0000	0.9999	 Image: A start of the start of	As Found	0.9994	1.0006	0.000076 mA
	5.0000	5.0000	 Image: A start of the start of	As Found	4.9990	5.0010	0.00026 mA
	10.0000	9.9998	 Image: A start of the start of	As Found	9.9985	10.0015	0.00046 mA
	30.0000	30.0005	 Image: A start of the start of	As Found	29.9966	30.0034	0.0023 mA
	50.0000	50.0005	\checkmark	As Found	49.9945	50.0055	0.0033 mA
·		Thermo	coup	le Input Accura	су		
Type J -210 to 1200°C	-190.0	-189.99	 Image: A start of the start of	As Found	-190.2	-189.8	0.0072 °C
RJ ext. @ 0.0°C	-50.0	-50.02	\checkmark	As Found	-50.2	-49.8	0.0064 °C
	0.0	0.00	\checkmark	As Found	-0.2	0.2	0.0063 °C
	100.0	99.98	\checkmark	As Found	99.8	100.2	0.0063 °C
	300.0	299.99	\checkmark	As Found	299.8	300.2	0.0063 °C
	600.0	599.96	\checkmark	As Found	599.7	600.3	0.0070 °C
	750.0	749.97	 Image: A start of the start of	As Found	749.7	750.3	0.0082 °C
	1000.0	1000.00	 Image: A start of the start of	As Found	999.7	1000.3	0.0082 °C
	1200.0	1200.01	 Image: A start of the start of	As Found	1199.7	1200.3	0.011 °C
Degrees F	32.0	31.9	 Image: A start of the start of	As Found	31.7	32.3	0.058 °F
Type K -270 to 1370°C	-160.0	-160.02	\checkmark	As Found	-160.2	-159.8	0.049 °C
	-50.0	-50.04	\checkmark	As Found	-50.2	-49.8	0.0070 °C
	0.0	0.00	 ✓ 	As Found	-0.2	0.2	0.0070 °C



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🗸 In Tolerance 🛛 🗴 Out	of Tolerance		Calib	ration Data			
Range	Nominal	As Found		As Left	Min	Max	Uncertaint
		Thermo	ocoup	le Input Accurac	;y		
	100.0	99.99	 ✓ 	As Found	99.8	100.2	0.0070 °C
	300.0	299.96	 ✓ 	As Found	299.8	300.2	0.0070 °C
	500.0	500.01	 ✓ 	As Found	499.7	500.3	0.0070 °C
	700.0	700.02	 Image: A start of the start of	As Found	699.7	700.3	0.0080 °C
	900.0	900.00	 Image: A start of the start of	As Found	899.7	900.3	0.0080 °C
	1100.0	1100.06	 Image: A start of the start of	As Found	1099.7	1100.3	0.011 °C
	1260.0	1260.01	 Image: A start of the start of	As Found	1259.7	1260.3	0.013 °C
Degrees F	32.0	32.0	 Image: A start of the start of	As Found	31.7	32.3	0.059 °F
Type T -270 to 400°C	-260.0	-260.0	 Image: A start of the start of	As Found	-260.2	-259.8	0.091 °C
	-130.0	-130.00	 Image: A start of the start of	As Found	-130.11	-129.89	0.0080 °C
	-50.0	-50.01	 Image: A start of the start of	As Found	-50.12	-49.88	0.0071 °C
	0.00	-0.01	 ✓ 	As Found	-0.11	0.11	0.0070 °C
	100.00	100.01	 Image: A start of the start of	As Found	99.89	100.11	0.0070 °C
	200.00	199.98	 ✓ 	As Found	199.87	200.13	0.0064 °C
	300.00	300.00	 ✓ 	As Found	299.86	300.14	0.0070 °C
	400.00	399.99	 ✓ 	As Found	399.85	400.15	0.0070 °C
Degrees F	32.0	32.0	 ✓ 	As Found	31.8	32.2	0.058 °F
Type E -270 to 1000°C	-200.0	-199.99	 ✓ 	As Found	-200.2	-199.8	0.013 °C
	-100.0	-100.02	 Image: A start of the start of	As Found	-100.2	-99.8	0.0070 °C
	0.0	0.00	 Image: A start of the start of	As Found	-0.2	0.2	0.0062 °C
	50.0	49.99	 ✓ 	As Found	49.8	50.2	0.0062 °C
	100.0	100.02	 Image: A start of the start of	As Found	99.8	100.2	0.0070 °C
	200.0	199.98	 Image: A start of the start of	As Found	199.8	200.2	0.0070 °C
	400.0	399.97	 ✓ 	As Found	399.8	400.2	0.0070 °C
	500.0	499.98	 ✓ 	As Found	499.7	500.3	0.0070 °C
	750.0	750.01	 ✓ 	As Found	749.7	750.3	0.0090 °C
	1000.0	1000.02	 ✓ 	As Found	999.7	1000.3	0.0090 °C
Degrees F	32.0	31.9	 ✓ 	As Found	31.7	32.3	0.058 °F
Type R -50 to 1760°C	150.0	150.00	 ✓ 	As Found	149.7	150.3	0.016 °C
	300.0	300.06	 ✓ 	As Found	299.7	300.3	0.016 °C
	500.0	500.05	 Image: A start of the start of	As Found	499.6	500.4	0.015 °C
	1000.0	1000.00	 ✓ 	As Found	999.6	1000.4	0.014 °C
	1200.0	1199.98	 Image: A start of the start of	As Found	1199.68	1200.32	0.014 °C
	1760.0	1760.05	 ✓ 	As Found	1759.5	1760.5	0.017 °C



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🗸 In Tolerance 🛛 🗴 Out	of Tolerance		Calib	ration Data			
Range	Nominal	As Found		As Left	Min	Max	Uncertaint
		Thermo	ocoup	le Input Accura	су		
Type S -50 to 1760°C	170.0	170.07	 ✓ 	As Found	169.7	170.3	0.016 °C
	300.0	300.00	 Image: A start of the start of	As Found	299.7	300.3	0.016 °C
	500.0	499.94	 Image: A start of the start of	As Found	499.6	500.4	0.016 °C
	750.0	750.00	 Image: A start of the start of	As Found	749.6	750.4	0.015 °C
	1000.0	999.98	 Image: A start of the start of	As Found	999.6	1000.4	0.015 °C
	1760.0	1760.01	 Image: A start of the start of	As Found	1759.5	1760.5	0.019 °C
Type B 50 to 1820°C	920.0	919.98	 Image: A start of the start of	As Found	919.5	920.5	0.017 °C
	1200.0	1200.04	 Image: A start of the start of	As Found	1199.5	1200.5	0.015 °C
	1400.0	1399.98	 Image: A start of the start of	As Found	1399.4	1400.6	0.015 °C
	1600.0	1599.96	 Image: A start of the start of	As Found	1599.4	1600.6	0.016 °C
	1820.0	1819.98	 Image: A start of the start of	As Found	1819.4	1820.6	0.016 °C
Degrees F	2000.0	1999.9	 ✓ 	As Found	1999.2	2000.8	0.061 °F
Type N -270 to 1300°C	0.0	-0.02	 ✓ 	As Found	-0.2	0.2	0.0080 °C
	50.0	50.02	 ✓ 	As Found	49.8	50.2	0.0074 °C
	100.0	100.01	 ✓ 	As Found	99.8	100.2	0.0070 °C
	250.0	249.99	 ✓ 	As Found	249.8	250.2	0.0070 °C
	300.0	299.96	 ✓ 	As Found	299.8	300.2	0.0070 °C
	500.0	500.00	 ✓ 	As Found	499.7	500.3	0.0074 °C
	700.0	699.98	 ✓ 	As Found	699.7	700.3	0.0074 °C
	1000.0	1000.01	 ✓ 	As Found	999.7	1000.3	0.0090 °C
	1300.0	1299.99	 ✓ 	As Found	1299.7	1300.3	0.011 °C
		Thermo	coupl	e Output Accura	acy		
Type J -210 to 1200°C	-190.0	-190.00	 ✓ 	As Found	-190.12	-189.88	0.0072 °C
	0.00	0.01	 ✓ 	As Found	-0.10	0.10	0.0063 °C
	100.0	100.02	 ✓ 	As Found	99.89	100.11	0.0063 °C
	300.0	300.01	 ✓ 	As Found	299.87	300.13	0.0063 °C
	500.0	499.97	 ✓ 	As Found	499.85	500.15	0.0070 °C
	1200.0	1199.98	 ✓ 	As Found	1199.78	1200.22	0.011 °C
Degrees F	32.0	32.00		As Found	31.82	32.18	0.058 °F
Type K -270 to 1370°C	-160.0	-159.97	 ✓ 	As Found	-160.12	-159.88	0.049 °C
	0.0	0.01	✓	As Found	-0.10	0.10	0.0070 °C
	100.0	99.99	✓	As Found	99.89	100.11	0.0070 °C
	300.0	300.05	 ✓ 	As Found	299.87	300.13	0.0070 °C
	500.0	499.99		As Found	499.85	500.15	0.0070 °C



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✓ In Tolerance	of Tolerance	(Calib	ration Data			
Range	Nominal	As Found		As Left	Min	Max	Uncertainty
		Thermoo	coupl	e Output Accura	су		
	1260.0	1260.00	 ✓ 	As Found	1259.77	1260.23	0.013 °C
Degrees F	32.0	32.02	 ✓ 	As Found	31.82	32.18	0.059 °F
Type T -270 to 400°C	-260.0	-259.965	 ✓ 	As Found	-260.2	-259.8	0.091 °C
	-130.0	-129.97	\checkmark	As Found	-130.12	-129.88	0.0080 °C
	0.0	0.02	\checkmark	As Found	-0.10	0.10	0.0070 °C
	100.0	99.98	\checkmark	As Found	99.89	100.11	0.0070 °C
	250.0	249.97	 Image: A start of the start of	As Found	249.87	250.13	0.0070 °C
	400.0	400.00	 Image: A start of the start of	As Found	399.86	400.14	0.0070 °C
Degrees F	32.0	32.04	 Image: A start of the start of	As Found	31.82	32.18	0.058 °F
Type E -270 to 1000°C	-200.0	-200.01	 Image: A start of the start of	As Found	-200.12	-199.88	0.013 °C
	0.0	0.01	 Image: A start of the start of	As Found	-0.10	0.10	0.0062 °C
	100.0	99.98	 ✓ 	As Found	99.89	100.11	0.0070 °C
	250.0	250.03	 Image: A start of the start of	As Found	249.87	250.13	0.0070 °C
	500.0	500.02	 ✓ 	As Found	499.85	500.15	0.0070 °C
	1000.0	999.98	 ✓ 	As Found	999.80	1000.20	0.0090 °C
Degrees F	32.0	32.02	 ✓ 	As Found	31.82	32.18	0.058 °F
Type R -50.0 to 1760°C	150.0	149.99	 ✓ 	As Found	149.78	150.22	0.016 °C
	500.0	499.94	 ✓ 	As Found	499.75	500.25	0.015 °C
	800.0	799.99	 ✓ 	As Found	799.72	800.28	0.015 °C
	1200.0	1200.03	 ✓ 	As Found	1199.68	1200.32	0.014 °C
	1500.0	1500.01	 ✓ 	As Found	1499.66	1500.34	0.017 °C
	1700.0	1699.97	 ✓ 	As Found	1699.63	1700.37	0.017 °C
Type S -50 to 1760°C	170.0	169.95	 Image: A start of the start of	As Found	169.78	170.22	0.016 °C
	500.0	500.05	 ✓ 	As Found	499.75	500.25	0.016 °C
	800.0	800.06	 ✓ 	As Found	799.72	800.28	0.015 °C
	1200.0	1200.05	 ✓ 	As Found	1199.68	1200.32	0.015 °C
	1500.0	1500.02	 ✓ 	As Found	1499.66	1500.32	0.019 °C
	1700.0	1700.02	 ✓ 	As Found	1699.63	1700.37	0.019 °C
Type B 50 to 1820°C	920.0	919.99	 ✓ 	As Found	919.61	920.39	0.017 °C
	1000.0	999.99	 ✓ 	As Found	999.60	1000.40	0.017 °C
	1250.0	1250.00	 ✓ 	As Found	1249.57	1250.43	0.015 °C
	1500.0	1500.05	 ✓ 	As Found	1499.55	1500.45	0.016 °C
	1800.0	1799.99	 ✓ 	As Found	1799.52	1800.48	0.016 °C
Degrees F	1688.0	1687.98	 ✓ 	As Found	1687.29	1688.71	0.061 °F

Certificate of Calibration

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🗸 In Tolerance 🛛 🗴 Out	of Tolerance	(Calib	ration Data			
Range	Nominal	As Found		As Left	Min	Max	Uncertainty
·		Thermoo	coupl	e Output Accura	су		
Type N -270 to 1300°C	-200.0	-199.93	 ✓ 	As Found	-200.12	-199.88	0.016 °C
	0.0	0.02	 ✓ 	As Found	-0.10	0.10	0.0080 °C
	100.0	99.98	 ✓ 	As Found	99.89	100.11	0.0070 °C
	300.0	300.03	 ✓ 	As Found	299.87	300.13	0.0070 °C
	600.0	600.00	 ✓ 	As Found	599.84	600.16	0.0074 °C
	1000.0	999.99	 ✓ 	As Found	999.80	1000.20	0.0090 °C
	1300.0	1300.01	 Image: A start of the start of	As Found	1299.77	1300.23	0.011 °C
Degrees F	32.0	32.05	 Image: A start of the start of	As Found	31.82	32.18	0.058 °F
		Oh	ms In	put Accuracy			
0 to 500 Ohms	0.000	0.001	 ✓ 	As Found	-0.012	0.012	0.00058 Ohms
	100.000	99.997	 Image: A start of the start of	As Found	99.978	100.022	0.0013 Ohms
	200.000	200.001	 Image: A start of the start of	As Found	199.968	200.032	0.0027 Ohms
	300.000	300.002	 Image: A start of the start of	As Found	299.958	300.042	0.0037 Ohms
	400.000	400.004	 Image: A start of the start of	As Found	399.948	400.052	0.0047 Ohms
	500.000	500.005	 Image: A start of the start of	As Found	499.938	500.062	0.0057 Ohms
0 to 5.0 kOhms	0.00000	0.00000	 ✓ 	As Found	-0.00012	0.00012).0000058 kOhr
	1.00000	1.00001	 ✓ 	As Found	0.99978	1.00022	0.000013 kOhn
	2.00000	2.00003	 ✓ 	As Found	1.99968	2.00032	0.000027 kOhn
	3.00000	3.00004	 ✓ 	As Found	2.99958	3.00042	0.000037 kOhn
	4.00000	4.00006	 Image: A start of the start of	As Found	3.99948	4.00052	0.000047 kOhn
	5.00000	5.00007	 ✓ 	As Found	4.99938	5.00062	0.000057 kOhn
		Ohm	ns Ou	tput Accuracy			
0 to 500 Ohms	0.000	0.0006	 ✓ 	As Found	-0.020	0.020	0.00084 Ohms
	100.000	99.9993	 Image: A start of the start of	As Found	99.970	100.030	0.0017 Ohms
	200.000	199.9981	 Image: A start of the start of	As Found	199.960	200.040	0.0027 Ohms
	300.000	299.9979	 Image: A start of the start of	As Found	299.950	300.050	0.0037 Ohms
	400.000	399.9972	 ✓ 	As Found	399.940	400.060	0.0047 Ohms
	500.000	499.9974	 Image: A start of the start of	As Found	499.930	500.070	0.0057 Ohms
0 to 5.0 kOhms	0.00000	0.0000046	 Image: A start of the start of	As Found	-0.00020	0.00020).0000058 kOhi
	0.50000	0.5000066	 Image: A start of the start of	As Found	0.49975	0.50025).0000081 kOhi
	1.00000	1.0000095	 Image: A start of the start of	As Found	0.99970	1.00030	0.000013 kOhn
	2.00000	1.999988	 Image: A start of the start of	As Found	1.99960	2.00040	0.000027 kOhn
	3.00000	2.999991	 ✓ 	As Found	2.99950	3.00050	0.000037 kOhn



1000232898

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of Tolerance	(Calib	ration Data			
Nominal	As Found	d	As Left	Min	Max	Uncertainty
	Ohm	s Ou	tput Accuracy			
4.00000	4.000012	 Image: A start of the start of	As Found	3.99940	4.00060	0.000047 kOhms
5.00000	5.000019	 Image: A start of the start of	As Found	4.99930	5.00070	0.000057 kOhm
	Freque	ency /	Accuracy Outpu	ut		·
1.000	0.99999	 Image: A start of the start of	As Found	0.99895	1.00105	0.00058 Hz
25.000	25.000	 Image: A start of the start of	As Found	24.998	25.002	0.00058 Hz
50.000	50.000	 Image: A start of the start of	As Found	49.996	50.004	0.00058 Hz
100.000	99.999	 Image: A start of the start of	As Found	99.994	100.006	0.00058 Hz
150.000	149.999	 Image: A start of the start of	As Found	149.991	150.009	0.00058 Hz
200.000	199.999	 Image: A start of the start of	As Found	199.989	200.011	0.00058 Hz
1.00	0.99999	 Image: A start of the start of	As Found	0.99895	1.00105	0.0058 Hz
250.00	249.998	 Image: A start of the start of	As Found	249.986	250.014	0.0058 Hz
500.00	499.996	 Image: A start of the start of	As Found	499.974	500.026	0.0058 Hz
1000.00	999.993	 Image: A start of the start of	As Found	999.949	1000.051	0.0058 Hz
1500.00	1499.989	 Image: A start of the start of	As Found	1499.924	1500.076	0.0058 Hz
2000.00	1999.985	 Image: A start of the start of	As Found	1999.899	2000.101	0.0058 Hz
1.0	0.99999	 Image: A start of the start of	As Found	0.99895	1.00105	0.058 Hz
2500.0	2499.981	 Image: A start of the start of	As Found	2499.874	2500.126	0.058 Hz
5000.0	4999.961	 Image: A start of the start of	As Found	4999.749	5000.251	0.058 Hz
10000.0	9999.922	 Image: A start of the start of	As Found	9999.499	10000.501	0.058 Hz
15000.0	14999.895	 Image: A start of the start of	As Found	14999.249	15000.751	0.058 Hz
20000.0	19999.864	\checkmark	As Found	19998.999	20001.001	0.058 Hz
	Nominal 4.00000 5.00000 1.000 25.000 50.000 100.000 150.000 100.000 150.000 1.00 250.00 1.00 200.000 1.00 250.00 500.00 1.000.00 1500.00 1500.00 1000.00 1.00 2000.00 1.0 2500.0 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.000.0	Nominal As Found Nominal As Found 4.00000 4.000012 5.00000 5.000019 Freque Freque 1.000 0.99999 25.000 25.000 50.000 50.000 100.000 99.999 150.000 149.999 200.000 199.999 1.00 0.99999 250.00 249.998 500.00 499.996 1000.00 999.993 1500.00 1499.989 2000.00 1999.985 1.0 0.99999 2500.0 2499.981 5000.0 4999.961 1.00 999.9922 15000.0 14999.895	Nominal As Found Ohms Ou Ohms Ou 4.00000 4.000012 ✓ 5.00000 5.000019 ✓ Frequency I I I 1.000 0.99999 ✓ 25.000 25.000 ✓ 100.000 99.999 ✓ 100.000 99.999 ✓ 100.000 149.999 ✓ 100.000 199.999 ✓ 100.000 199.999 ✓ 100.000 199.999 ✓ 1000 0.999999 ✓ 1000 0.999999 ✓ 1000.00 199.999 ✓ 1000.00 1499.998 ✓ 1000.00 1999.985 ✓ 1.0 0.99999 ✓ 1.0 0.99999 ✓ 1000.00 1999.985 ✓ 1000.0 1999.981 ✓ 10000.0 9999.922 ✓ 10000.0 9999.922 <td< td=""><td>Nominal As Found As Left Ohms Output Accuracy 4.00000 4.000012 \checkmark As Found 5.00000 5.000019 \checkmark As Found Frequency Accuracy Output 1.000 0.99999 \checkmark As Found 25.000 25.000 \checkmark As Found 25.000 25.000 \checkmark As Found 100.000 99.999 \checkmark As Found 100.000 99.999 \checkmark As Found 100.000 149.999 \checkmark As Found 100.000 199.999 \checkmark As Found 1.00 0.99999 \checkmark As Found 1000.00 499.996 \checkmark As Found 1000.00 999.993 \checkmark As Found 1000.00 1499.989 \checkmark As Found 1.0 0.99999 \checkmark As Found 1.0 0.99999 \checkmark As Found 1.0</td><td>Nominal As Found As Left Min Ohms Output Accuracy As Found 3.99940 4.00000 4.000012 ✓ As Found 3.99940 5.00000 5.000019 ✓ As Found 4.99930 Frequency Accuracy Output 4.99930 As Found 0.99895 25.000 25.000 ✓ As Found 0.99895 25.000 25.000 ✓ As Found 24.998 50.000 50.000 ✓ As Found 99.994 100.000 99.999 ✓ As Found 149.996 100.000 149.999 ✓ As Found 199.989 1.00 0.99999 ✓ As Found 0.99895 250.00 249.998 ✓ As Found 149.991 100 0.99999 ✓ As Found 199.989 1.00 0.99999 ✓ As Found 199.989 1.00 999.993 ✓ As Found 199.939 1000.00</td><td>Nominal As Found As Left Min Max 0hms 0utput Accuracy 4.00000 4.000012 ✓ As Found 3.99940 4.00060 5.00000 5.000019 ✓ As Found 4.99930 5.00070 Frequency Accuracy Output 1.000 0.99999 ✓ As Found 0.99895 1.00105 25.000 25.000 ✓ As Found 24.998 25.002 50.000 50.000 ✓ As Found 49.996 50.004 100.000 99.999 ✓ As Found 149.991 150.009 200.000 149.999 ✓ As Found 199.989 200.011 1.00 0.99999 ✓ As Found 199.981 5</td></td<>	Nominal As Found As Left Ohms Output Accuracy 4.00000 4.000012 \checkmark As Found 5.00000 5.000019 \checkmark As Found Frequency Accuracy Output 1.000 0.99999 \checkmark As Found 25.000 25.000 \checkmark As Found 25.000 25.000 \checkmark As Found 100.000 99.999 \checkmark As Found 100.000 99.999 \checkmark As Found 100.000 149.999 \checkmark As Found 100.000 199.999 \checkmark As Found 1.00 0.99999 \checkmark As Found 1000.00 499.996 \checkmark As Found 1000.00 999.993 \checkmark As Found 1000.00 1499.989 \checkmark As Found 1.0 0.99999 \checkmark As Found 1.0 0.99999 \checkmark As Found 1.0	Nominal As Found As Left Min Ohms Output Accuracy As Found 3.99940 4.00000 4.000012 ✓ As Found 3.99940 5.00000 5.000019 ✓ As Found 4.99930 Frequency Accuracy Output 4.99930 As Found 0.99895 25.000 25.000 ✓ As Found 0.99895 25.000 25.000 ✓ As Found 24.998 50.000 50.000 ✓ As Found 99.994 100.000 99.999 ✓ As Found 149.996 100.000 149.999 ✓ As Found 199.989 1.00 0.99999 ✓ As Found 0.99895 250.00 249.998 ✓ As Found 149.991 100 0.99999 ✓ As Found 199.989 1.00 0.99999 ✓ As Found 199.989 1.00 999.993 ✓ As Found 199.939 1000.00	Nominal As Found As Left Min Max 0hms 0utput Accuracy 4.00000 4.000012 ✓ As Found 3.99940 4.00060 5.00000 5.000019 ✓ As Found 4.99930 5.00070 Frequency Accuracy Output 1.000 0.99999 ✓ As Found 0.99895 1.00105 25.000 25.000 ✓ As Found 24.998 25.002 50.000 50.000 ✓ As Found 49.996 50.004 100.000 99.999 ✓ As Found 149.991 150.009 200.000 149.999 ✓ As Found 199.989 200.011 1.00 0.99999 ✓ As Found 199.981 5

End of Datasheet

Calibration Standards

<u>NIST Traceable #</u>	Instrument ID#	Description	Model	Calibration Date	Date Due
1000177504	01240	Time & Frequency Synchronization System	SecureSync®	22 APR 2015	00 0000
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
1000231831	01090	Universal Counter, 225 MHz	53131A	03 OCT 2022	31 OCT 2023
1000229782	00890	Multimeter, 8.5 Digit Reference	8508A-01	26 MAY 2022	31 MAY 2023