



# Certificate of Calibration

1000182846

Page 1 of 9



## Customer Information

Accurate Calibration & Repair  
1924 Pinnacle Drive  
Aurora, IL 60504

PO #: 344941  
Reference #: 1538296Rg  
Account #: 00317  
SO #: 38296

## Instrument Identification

Instrument Id: **R051052**

Location: **R051052**

Noun: Handheld Calibrator

Model: Memocal 2000

Mfr: ERO Electronic

Serial #: 00.18.2202

Accuracy: See manufacturer's specifications

## Certification Information

Reason For Service: Calibration with Data

Technician: Appealle Bullock

Type Of Calibration: Accredited 17025

Cal Date: 20 MAR 15

As Found Condition: In Tolerance

Cal Due: 20 JUN 15

As Left Condition: Left As Found

Temperature: 22.6 °C

Procedure: MFR Manual :

Humidity: 33.0 %

Technician Remarks: Datasheet reflects customer specified calibration points. Unit calibrated per AMS 2750 E.

- No sampling plan or other procedure was used for this calibration. Measurements and information on this certificate are valid at time of calibration only and any number of factors may cause calibration to drift out of tolerance prior to calibration due date.
- This instrument has been calibrated using standards with accuracies traceable to the National Institute of Standards and Technology, derived from natural physical constants, from ratio measurements, or compared to consensus standards.
- The expanded uncertainty of the measurement process has not exceeded 25% of the tolerance allowed for the individual characteristics measured, unless otherwise stated. The uncertainties are based on a 95% confidence level, K=2.
- Measurement uncertainties are not used in the determination of In or Out of Tolerance of the Unit under test.
- J.H. Metrology Co., Inc's Calibration Control System complies with applicable requirements of ANSI Z540-1-1994, ISO 9001, and ISO/IEC 17025-2005.
- The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without the written approval of J.H. Metrology Co., Inc.

Approved By:

President

Printed: 3/24/2015 07:20:00

Date: Mar 23, 2015

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

✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found		As Left	Min	Max	Uncertainty
mV Output							
-4 mV to 20 mV	-4.000	-4.00127	✓	As Found	-4.004	-3.996	0.000647 mV
	0.000	-0.00107	✓	As Found	-0.004	0.004	0.000621 mV

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



# Certificate of Calibration

1000182846

Page 2 of 9



✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found		As Left		Min	Max	Uncertainty
mV Output								
	5.000	5.00003	✓	As Found		4.996	5.004	0.000653 mV
	10.000	10.00053	✓	As Found		9.996	10.004	0.000686 mV
	15.000	15.00245	✓	As Found		14.996	15.004	0.000718 mV
	20.000	20.00311	✓	As Found		19.996	20.004	0.000751 mV
-40 mV to 200 mV	-40.00	-40.00181	✓	As Found		-40.04	-39.96	0.005381 mV
	0.00	-0.00393	✓	As Found		-0.04	0.04	0.005121 mV
	50.00	49.99826	✓	As Found		49.96	50.04	0.005446 mV
	100.00	99.99317	✓	As Found		99.96	100.04	0.005771 mV
	150.00	150.00484	✓	As Found		149.96	150.04	0.006096 mV
	200.00	200.0048	✓	As Found		199.96	200.04	0.00641 mV
-400 mV to 2000 mV	-400.0	-400.0108	✓	As Found		-400.4	-399.4	0.05231 mV
	0.0	-0.01583	✓	As Found		-0.4	0.4	0.050121 mV
	500.0	499.9989	✓	As Found		499.6	500.4	0.05276 mV
	1000.0	999.9806	✓	As Found		999.6	1000.4	0.05501 mV
	1500.0	1500.1428	✓	As Found		1499.6	1500.4	0.05726 mV
	2000.0	2000.118	✓	As Found		1999.6	2000.4	0.0641 mV
-4000 mV to 20000 mV	-4000	-4000.374	✓	As Found		-4005	-3995	0.5231 mV
	0	-0.41611	✓	As Found		-5	5	0.500121 mV
	5000	4998.398	✓	As Found		4995	5005	0.5276 mV
	10000	10000.387	✓	As Found		9995	10005	0.5501 mV
	15000	15000.042	✓	As Found		14995	15005	0.5726 mV
	20000	20001.26	✓	As Found		19995	20005	0.691 mV
mV Measurement								
-20 mV to 20 mV	-20.000	-20.000	✓	As Found		-20.006	-19.994	0.0012 mV
	0.000	-0.001	✓	As Found		-0.006	0.006	0.0005 mV
	5.000	4.998	✓	As Found		4.994	5.006	0.0011 mV
	10.000	9.997	✓	As Found		9.994	10.006	0.0011 mV
	15.000	14.999	✓	As Found		14.994	15.006	0.0011 mV
	20.000	20.000	✓	As Found		19.994	20.006	0.0012 mV
-200 mV to 200 mV	-200.00	-199.97	✓	As Found		-200.06	-199.94	0.007 mV
	0.00	0.00	✓	As Found		-0.06	0.06	0.005 mV
	50.00	50.00	✓	As Found		49.94	50.06	0.006 mV
	100.00	99.99	✓	As Found		99.94	100.06	0.006 mV
	150.00	149.99	✓	As Found		149.94	150.06	0.007 mV

# Certificate of Calibration

1000182846

Page 3 of 9

✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found		As Left	Min	Max	Uncertainty
mV Measurement							
	200.00	200.00	✓	As Found	199.94	200.06	0.007 mV
-2000 mV to 2000 mV	-2000.0	-1999.7	✓	As Found	-2000.6	-1999.4	0.06 mV
	0.0	0.0	✓	As Found	-0.6	0.6	0.05 mV
	500.0	500.0	✓	As Found	499.4	500.6	0.05 mV
	1000.0	999.8	✓	As Found	999.4	1000.6	0.06 mV
	1500.0	1500.0	✓	As Found	1499.4	1500.6	0.06 mV
	2000.0	2000.0	✓	As Found	1999.4	2000.6	0.06 mV
-20000 mV to 20000 mV	-20000	-19996	✓	As Found	-20008	-19992	0.6 mV
	0	0	✓	As Found	-8	8	0.5 mV
	5000	4999	✓	As Found	4992	5008	0.5 mV
	10000	9997	✓	As Found	9992	10008	0.5 mV
	15000	14998	✓	As Found	14992	15008	0.6 mV
	20000	19998	✓	As Found	19992	20008	0.6 mV
mA Output							
0 mA to 21 mA	0.000	0.00020749	✓	As Found	-0.003	0.003	0.000500405 mA
	1.000	1.0000326	✓	As Found	0.997	1.003	0.00052005 mA
	5.000	5.000464	✓	As Found	4.997	5.003	0.0006305 mA
	10.000	10.001144	✓	As Found	9.997	10.003	0.0007205 mA
	15.000	15.002165	✓	As Found	14.997	15.003	0.0008105 mA
	21.000	21.00229	✓	As Found	20.997	21.003	0.0009185 mA
mA Measurement							
-20 mA to 20 mA	-20.000	-19.995	✓	As Found	-20.006	-19.994	0.0014 mA
	0.000	0.000	✓	As Found	-0.006	0.006	0.0005 mA
	5.000	5.000	✓	As Found	4.994	5.006	0.0008 mA
	10.000	9.998	✓	As Found	9.994	10.006	0.0010 mA
	15.000	14.998	✓	As Found	14.994	15.006	0.0012 mA
	20.000	19.999	✓	As Found	19.994	20.006	0.0014 mA
-130 mA to 130 mA	-130.00	-130.01	✓	As Found	-130.05	-129.95	0.012 mA
	0.00	0.00	✓	As Found	-0.05	0.05	0.005 mA
	10.00	10.00	✓	As Found	9.95	10.05	0.005 mA
	50.00	50.00	✓	As Found	49.95	50.05	0.008 mA
	100.00	100.00	✓	As Found	99.95	100.05	0.011 mA
	130.00	130.01	✓	As Found	129.95	130.05	0.012 mA



# Certificate of Calibration

1000182846

Page 4 of 9



✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found		As Left		Min	Max	Uncertainty
RTD Pt. 100 Ohm Measurement (-200° to 850°C)								
20.68 Ohms	-195.0	-195.0	✓	As Found		-195.3	-194.7	0.05 °C
60.26 Ohms	-100.0	-100.1	✓	As Found		-100.3	-99.7	0.05 °C
100.00 Ohms	0.0	-0.1	✓	As Found		-0.3	0.3	0.05 °C
138.51 Ohms	100.0	99.9	✓	As Found		99.7	100.3	0.06 °C
280.98 Ohms	500.0	499.8	✓	As Found		499.7	500.3	0.06 °C
389.02 Ohms	845.0	844.7	✓	As Found		844.7	845.3	0.06 °C
Ohms Measurement								
0 to 800 Ohms	0.0	0.0	✓	As Found		-0.2	0.2	0.05 Ohms
	10.0	10.0	✓	As Found		9.8	10.2	0.05 Ohms
	100.0	100.0	✓	As Found		99.8	100.2	0.05 Ohms
	300.0	299.9	✓	As Found		299.8	300.2	0.06 Ohms
	500.0	499.8	✓	As Found		499.8	500.2	0.06 Ohms
	790.0	789.8	✓	As Found		789.8	790.2	0.06 Ohms
Thermocouple Measurement								
Type E -328° to 1832°F	-328.0	-328.0	✓	As Found		-328.4	-327.6	0.09 °F
	-200.0	-200.0	✓	As Found		-200.4	-199.6	0.11 °F
	0.0	0.0	✓	As Found		-0.4	0.4	0.11 °F
	32.0	32.0	✓	As Found		31.6	32.4	0.11 °F
	200.0	199.9	✓	As Found		199.6	200.4	0.11 °F
	400.0	399.9	✓	As Found		399.6	400.4	0.11 °F
	600.0	599.8	✓	As Found		599.6	600.4	0.11 °F
	800.0	799.9	✓	As Found		799.6	800.4	0.11 °F
	1000.0	999.9	✓	As Found		999.6	1000.4	0.11 °F
	1200.0	1199.8	✓	As Found		1199.6	1200.4	0.11 °F
	1400.0	1399.8	✓	As Found		1399.6	1400.4	0.11 °F
	1600.0	1599.9	✓	As Found		1599.6	1600.4	0.11 °F
	1832.0	1832.0	✓	As Found		1831.6	1832.4	0.11 °F
Type J -328° to 2192°F	-328.0	-328.0	✓	As Found		-328.5	-327.5	0.11 °F
	-200.0	-200.0	✓	As Found		-200.5	-199.5	0.11 °F
	0.0	0.0	✓	As Found		-0.5	0.5	0.11 °F
	32.0	32.0	✓	As Found		31.5	32.5	0.11 °F
	200.0	199.8	✓	As Found		199.5	200.5	0.11 °F
	400.0	399.9	✓	As Found		399.5	400.5	0.11 °F
	600.0	599.9	✓	As Found		599.5	600.5	0.11 °F



# Certificate of Calibration

1000182846

Page 5 of 9



✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found		As Left	Min	Max	Uncertainty
Thermocouple Measurement							
	800.0	799.9	✓	As Found	799.5	800.5	0.11 °F
	1000.0	999.9	✓	As Found	999.5	1000.5	0.11 °F
	1200.0	1200.0	✓	As Found	1199.5	1200.5	0.11 °F
	1600.0	1599.8	✓	As Found	1599.5	1600.5	0.08 °F
	1800.0	1799.8	✓	As Found	1799.5	1800.5	0.08 °F
	2192.0	2191.9	✓	As Found	2191.5	2192.5	0.09 °F
Type K -328° to 2498°F	-328.0	-327.8	✓	As Found	-328.5	-327.5	0.12 °F
	-200.0	-200.0	✓	As Found	-200.5	-199.5	0.11 °F
	0.0	0.0	✓	As Found	-0.5	0.5	0.11 °F
	32.0	32.0	✓	As Found	31.5	32.5	0.11 °F
	200.0	200.1	✓	As Found	199.6	200.4	0.11 °F
	400.0	399.9	✓	As Found	399.6	400.4	0.11 °F
	600.0	599.9	✓	As Found	599.6	600.4	0.11 °F
	800.0	799.9	✓	As Found	799.6	800.4	0.11 °F
	1000.0	999.9	✓	As Found	999.6	1000.4	0.11 °F
	1200.0	1199.8	✓	As Found	1199.6	1200.4	0.11 °F
	1400.0	1400.0	✓	As Found	1399.6	1400.4	0.11 °F
	1600.0	1600.0	✓	As Found	1599.6	1600.4	0.11 °F
	1800.0	1800.0	✓	As Found	1799.3	1800.7	0.11 °F
	2000.0	1999.6	✓	As Found	1999.3	2000.7	0.11 °F
	2200.0	2199.6	✓	As Found	2199.3	2200.7	0.12 °F
	2498.0	2497.6	✓	As Found	2497.1	2498.9	0.11 °F
Type T -328° to 752°F	-328.0	-328.0	✓	As Found	-328.5	-327.5	0.11 °F
	-200.0	-200.0	✓	As Found	-200.5	-199.5	0.11 °F
	0.0	0.0	✓	As Found	-0.5	0.5	0.11 °F
	32.0	32.0	✓	As Found	31.5	32.5	0.11 °F
	200.0	199.9	✓	As Found	199.7	200.3	0.11 °F
	400.0	399.9	✓	As Found	399.7	400.3	0.11 °F
	600.0	599.9	✓	As Found	599.7	600.3	0.11 °F
	752.0	752.0	✓	As Found	751.7	752.3	0.07 °F
Type R -58° to 3214°F	-50.0	-51.2	✓	As Found	-52.6	-47.4	0.30 °F
	0.0	-1.1	✓	As Found	-2.6	2.6	0.20 °F
	32.0	31.6	✓	As Found	29.4	34.6	0.20 °F
	200.0	199.6	✓	As Found	198.4	201.6	0.17 °F
	400.0	399.7	✓	As Found	398.8	401.2	0.15 °F



# Certificate of Calibration

1000182846

Page 6 of 9



✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found		As Left	Min	Max	Uncertainty
Thermocouple Measurement							
	600.0	599.5	✓	As Found	599.2	600.8	0.15 °F
	800.0	799.7	✓	As Found	799.2	800.8	0.14 °F
	1000.0	999.7	✓	As Found	999.2	1000.8	0.14 °F
	1200.0	1199.7	✓	As Found	1199.2	1200.8	0.13 °F
	1400.0	1399.6	✓	As Found	1399.2	1400.8	0.13 °F
	1600.0	1599.6	✓	As Found	1599.2	1600.8	0.13 °F
	1800.0	1799.6	✓	As Found	1799.2	1800.8	0.13 °F
	2000.0	1999.6	✓	As Found	1999.2	2000.8	0.14 °F
	2200.0	2199.6	✓	As Found	2199.2	2200.8	0.13 °F
	2800.0	2799.7	✓	As Found	2799.2	2800.8	0.13 °F
	3200.0	3199.5	✓	As Found	3198.8	3201.2	0.15 °F
Type S -58° to 3214°F	-50.0	-51.0	✓	As Found	-52.0	-48.0	0.22 °F
	0.0	-0.8	✓	As Found	-2.0	2.0	0.20 °F
	32.0	31.6	✓	As Found	30.0	34.0	0.20 °F
	200.0	199.6	✓	As Found	198.8	201.2	0.17 °F
	400.0	399.6	✓	As Found	398.8	401.2	0.15 °F
	600.0	599.5	✓	As Found	599.2	600.8	0.15 °F
	800.0	799.5	✓	As Found	799.2	800.8	0.15 °F
	1000.0	999.5	✓	As Found	999.2	1000.8	0.15 °F
	1200.0	1199.7	✓	As Found	1199.2	1200.8	0.14 °F
	1400.0	1399.6	✓	As Found	1399.2	1400.8	0.14 °F
	1600.0	1599.7	✓	As Found	1599.2	1600.8	0.14 °F
	1800.0	1799.6	✓	As Found	1799.2	1800.8	0.13 °F
	2000.0	1999.5	✓	As Found	1999.2	2000.8	0.14 °F
	2200.0	2199.6	✓	As Found	2199.2	2200.8	0.14 °F
	2800.0	2799.7	✓	As Found	2799.2	2800.8	0.14 °F
	3200.0	3199.6	✓	As Found	3199.2	3200.8	0.16 °F
Type N 32° to 2570°F	32.0	32.0	✓	As Found	31.6	32.4	0.11 °F
	200.0	199.8	✓	As Found	199.6	200.4	0.11 °F
	400.0	399.7	✓	As Found	399.6	400.4	0.11 °F
	600.0	599.7	✓	As Found	599.6	600.4	0.11 °F
	800.0	799.7	✓	As Found	799.6	800.4	0.11 °F
	1000.0	999.9	✓	As Found	999.6	1000.4	0.11 °F
	1200.0	1199.7	✓	As Found	1199.3	1200.7	0.11 °F
	1400.0	1399.8	✓	As Found	1399.3	1400.7	0.11 °F



# Certificate of Calibration

1000182846

Page 7 of 9



✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found		As Left	Min	Max	Uncertainty
Thermocouple Measurement							
	1600.0	1599.8	✓	As Found	1599.3	1600.7	0.11 °F
	1800.0	1800.0	✓	As Found	1799.3	1800.7	0.11 °F
	2000.0	2000.1	✓	As Found	1999.3	2000.7	0.11 °F
	2200.0	2199.7	✓	As Found	2199.2	2200.8	0.12 °F
	2370.0	2369.6	✓	As Found	2369.2	2370.8	0.10 °F
Type B 122° to 3276°F	150.0	146.1	✓	As Found	126.3	173.7	0.56 °F
	200.0	196.3	✓	As Found	176.3	223.7	0.51 °F
	400.0	398.3	✓	As Found	396.2	403.8	0.51 °F
	600.0	599.0	✓	As Found	596.2	603.8	0.27 °F
	800.0	799.0	✓	As Found	798.0	802.0	0.20 °F
	1000.0	999.0	✓	As Found	998.0	1002.0	0.20 °F
	1200.0	1199.5	✓	As Found	1198.0	1202.0	0.20 °F
	1400.0	1399.5	✓	As Found	1398.7	1401.3	0.15 °F
	1600.0	1599.4	✓	As Found	1598.7	1601.3	0.15 °F
	1800.0	1799.4	✓	As Found	1799.2	1800.8	0.15 °F
	2000.0	1999.6	✓	As Found	1999.2	2000.8	0.15 °F
	2200.0	2199.6	✓	As Found	2199.2	2200.8	0.15 °F
	2600.0	2599.5	✓	As Found	2599.2	2600.8	0.15 °F
	3000.0	2999.5	✓	As Found	2999.2	3000.8	0.14 °F
	3276.0	3275.6	✓	As Found	3275.2	3276.8	0.16 °F
Thermocouple Output							
Type E -328° to 1832°F	-328.0	-328.28	✓	As Found	-328.4	-327.6	0.06 °F
	-200.0	-200.04	✓	As Found	-200.4	-199.6	0.11 °F
	32.0	31.89	✓	As Found	31.6	32.4	0.05 °F
	600.0	600.04	✓	As Found	599.6	600.4	0.06 °F
	1000.0	1000.00	✓	As Found	999.6	1000.4	0.11 °F
	1829.0	1831.94	✓	As Found	1831.6	1832.4	0.11 °F
Type J -328° to 2192°F	-328.0	-328.19	✓	As Found	-328.5	-327.5	0.06 °F
	-200.0	-200.22	✓	As Found	-200.5	-199.5	0.11 °F
	32.0	31.79	✓	As Found	31.5	32.5	0.05 °F
	800.0	800.10	✓	As Found	799.5	800.5	0.11 °F
	1600.0	1600.02	✓	As Found	1599.5	1600.5	0.06 °F
	2192.0	2192.05	✓	As Found	2191.5	2192.5	0.07 °F
Type K -328° to 2498°F	-328.0	-328.16	✓	As Found	-328.5	-327.5	0.07 °F



# Certificate of Calibration

1000182846

Page 8 of 9



✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found		As Left	Min	Max	Uncertainty
Thermocouple Output							
	-200.0	-200.14	✓	As Found	-200.5	-199.5	0.11 °F
	32.0	31.80	✓	As Found	31.5	32.5	0.06 °F
	600.0	600.04	✓	As Found	599.6	600.4	0.06 °F
	1600.0	1600.03	✓	As Found	1599.6	1600.4	0.07 °F
	2498.0	2497.98	✓	As Found	2497.1	2498.9	0.08 °F
Type T -328° to 752°F	-328.0	-328.16	✓	As Found	-328.5	-327.5	0.07 °F
	-200.0	-200.02	✓	As Found	-200.5	-199.5	0.06 °F
	32.0	31.82	✓	As Found	31.5	32.5	0.06 °F
	200.0	199.80	✓	As Found	199.7	200.3	0.06 °F
	400.0	399.83	✓	As Found	399.7	400.3	0.06 °F
	752.0	751.84	✓	As Found	751.7	752.3	0.06 °F
Type R -58° to 3214°F	-50.0	-51.4	✓	As Found	-52.6	-47.4	0.11 °F
	32.0	30.87	✓	As Found	29.4	34.6	0.09 °F
	600.0	599.64	✓	As Found	599.2	600.8	0.08 °F
	1600.0	1599.69	✓	As Found	1599.2	1600.8	0.08 °F
	2200.0	2199.81	✓	As Found	2199.2	2200.8	0.08 °F
	3200.0	3199.82	✓	As Found	3198.8	3201.2	0.09 °F
Type S -58° to 3214°F	-50.0	-51.4	✓	As Found	-52.0	-48.0	0.09 °F
	32.0	30.84	✓	As Found	30.0	34.0	0.09 °F
	600.0	599.56	✓	As Found	599.2	600.8	0.08 °F
	1600.0	1599.61	✓	As Found	1599.2	1600.8	0.08 °F
	2200.0	2199.88	✓	As Found	2199.2	2200.8	0.08 °F
	3200.0	3199.80	✓	As Found	3199.2	3200.8	0.09 °F
Type N 32° to 2570°F	32.0	31.75	✓	As Found	31.6	32.4	0.06 °F
	600.0	600.04	✓	As Found	599.6	600.4	0.06 °F
	1400.0	1399.76	✓	As Found	1399.3	1400.7	0.06 °F
	1600.0	1599.91	✓	As Found	1599.3	1600.7	0.07 °F
	2000.0	1999.72	✓	As Found	1999.3	2000.7	0.07 °F
	2370.0	2370.09	✓	As Found	2369.2	2370.8	0.07 °F
Type B 122° to 3276°F	150.0	138.3	✓	As Found	126.3	173.7	0.18 °F
	1200.0	1198.86	✓	As Found	1198.0	1202.0	0.10 °F
	1600.0	1599.31	✓	As Found	1598.7	1601.3	0.08 °F
	2000.0	1999.71	✓	As Found	1999.2	2000.8	0.08 °F
	2600.0	2599.65	✓	As Found	2599.2	2600.8	0.08 °F





# Certificate of Calibration

1000182846

Page 9 of 9



✓ In Tolerance    ✗ Out of Tolerance

## Calibration Data

Range	Nominal	As Found	As Left	Min	Max	Uncertainty	
Thermocouple Output							
	3276.0	3275.77	✓	As Found	3275.2	3276.8	0.09 °F

End of Datasheet

## Calibration Standards

<u>NIST Traceable #</u>	<u>Instrument ID#</u>	<u>Description</u>	<u>Model</u>	<u>Calibration Date</u>	<u>Date Due</u>
1000176109	00522	Resistance Standard	RS925A	21 APR 2014	30 APR 2015
1000176110	00266	High Impedance Voltmeter-Null Detector	845AR	21 APR 2014	30 APR 2015
1000176725	02037	Humidity/Temperature Chart Recorder	RH520	22 MAY 2014	31 MAY 2015
1000178178	01241	Precision Process Calibrator	7526A	24 JUL 2014	31 JUL 2015
1000179677	02022	Calibrator	5520A/SC1.1GHz	09 JAN 2015	31 JAN 2016
1000180945	00890	Reference Multimeter	8508A-01	29 DEC 2014	31 DEC 2015
1000180960	00888	Calibrator	5720A	06 JAN 2015	31 JAN 2016