

Manufacturer	KEITHLEY INSTRUMENTS	Calibration date	October 14 2020
Model Number	Model 2002	Ambient Temperature	24.47 °C
Serial	HIDDEN	Relative Humidity	38.02 %
ID Number	Calibration test	Pressure	1009.73
Notes	Test before calibration adjustment	Test type	Front 5440A-7004 cable terminals

This note is test text block for further use. It allows to include user information for further reference.

Reference standard	Mfg	Model	Options	Serial / Unc	CEID	Calibration date	Due date
MFC	Fluke	5720A	03/HLK	9572003	XHC1	10/15/2020	4/15/2021
Amplifier	Fluke	5725A		5930005	XHB1	10/15/2020	4/15/2021
DC STD	xDevs.com	792X[2]	9.9999718 VDC	±0.68 ppm	XD01	10/14/2020	4/14/2021
STDR	ESI	SR104	10000.0026 Ω	±0.15 ppm	G202088930104	03/17/2020	03/17/2021
STDR	xDevs.com/Fluke	SL935	1.00006085 Ω	±0.17 ppm	XR03	09/13/2019	09/13/2020
STDR	xDevs.com/Fluke	SL935	9999.9737 Ω	±0.17 ppm	XR02	09/13/2019	09/13/2020
STDR	xDevs.com/HP	16340X	1.004872 GΩ	±0.29 %	1937J00419	07/08/2020	07/08/2021
DMM	HP	3458A	001,X02	MY45040325	XD2	08/25/2020	02/25/2021
DMM	HP	3458A	001,X02	Process DMM	XD3	03/28/2020	03/28/2021

MFC last calibrated	0.0 days ago	MFC since DCV ZERO	0.0 days ago
MFC since WBFLAT	0.0 days ago	MFC since WBGAIN	0.0 days ago
MFC Confidence level	<b>24h 95% REL</b>	MFC Calibrate date	2020-10-15 00:00:00
MFC Calibrate date Zero	2020-10-15 00:00:00	Calibrate date WB Flatness	2020-10-15 00:00:00
Calibrate date WB Gain	2020-10-15 00:00:00	CAL CONST 6.5V reference voltage	6.95747638076
CAL CONST 13V reference voltage	13.8553064531	CAL CONST 22V range positive zero	398.1788
CAL CONST 22V range negative zero	398.17843	CAL CONST DAC Linearity	-0.195874168885
CAL CONST 10KOHM true output resistance	9999.8139	CAL CONST 10KOHM standard resistance	9998.7601
CAL CONST, Zero calibration temperature	23.39	CAL CONST, All calibration temp	23.39
Booster type	VB5725,IB5725	Current output posts	AUX
Calibrate date 5725A AMP	2020-10-15 00:00:00	Calibrated days ago	0 days
CAL CONST, Amp ACAL temperature	23.39	CAL CONST, Amp CalCheck temperature	23.39

Total uncertainty of each calibration point calculated with RSS

$$U_{95\%} = \sqrt{U_{SRC}^2 + U_{DUT}^2} * 2$$

Meter Info	KEITHLEY INSTRUMENTS INC.,MODEL 2002,HIDDEN,B02 /A02	Test date start	14 October 2020 22:55
Test specification interval	<b>24 hour DUT spec</b>	Line frequency	120V 60 Hz
Next calibration date	2021,09,07	Last calibration date	2020,09,07
DUT Δ temperature to cal	0.60 °C	Last calibration temperature	24.61 °C

Service information

Last calibration temperature

24.61 °C

All CAL values

1.000180E+00,5.629231E-05,1.000087E+01,-3.683451E-05,9.999809E-01,3.807703E-06,9.998513E+00,1.499010E-05,9.998597E+01,4.969578E+02,3.837019E-03,6.718816E-03,2.527535E-03,4.072825E-03,6.745714E-03,1.220000E+02,1.420000E+02,6.822974E-06,5.103481E-06,4.903162E-06,5.502380E-06,5.268483E-06,-3.769262E-05,-7.005345E-07,-2.857226E-06,-3.635842E-07,-4.759003E-07,-1.883305E-06,-2.760714E-05,-5.928491E-07,-4.382684E-07,-2.284424E-06,-1.260324E-06,-2.298782E-06,1.423163E+00,1.423163E+00,5.082981E-06,1.423171E+00,1.423164E+00,-2.384472E-06,1.423163E+00,1.423163E+00,6.791667E-05,1.423234E+00,1.423164E+00,-2.873852E-05,1.778731E+00,1.778730E+00,8.467455E-04,1.779605E+00,1.778732E+00,-2.808739E-05,1.778731E+00,1.778728E+00,6.514632E-03,1.785273E+00,1.778733E+00,1.061170E+00,2.652851E-01,2.652860E+00,1.061083E-01,1.326329E+00,7.271999E-01,2.666245E-01,5.333059E-01,5.334005E-01,1.956566E+00,1.433828E+00,5.333558E-01,1.956522E+00,1.424230E+00,6.666507E-01,2.445410E+00,1.780052E+00,5.001075E-01,2.278866E+00,1.778852E+00,1.326254E+00,1.326224E+00,1.328148E+00,1.341228E+00,6.988241E-01,1.999991E+00,1.900000E+00,1.900000E+01,9.999563E+05,1.000003E+05,1.000037E+04,1.000022E+03,1.000026E+02,1.000188E+01,1.900000E-04,1.900000E-02,1.900000E-01,1.000000E+00,4.479539E+01,1.999501E+00,1.999933E+00,1.240000E+02,4.021730E-01,1.999940E+00,1.225000E+02,1.430000E+02,1.499114E+00,1.499675E+00,1.999636E+00,9.600000E+01,1.210000E+02,5.625812E-03,5.584923E-01,1.396194E-01,-1.396239E+00,-3.161081E-07,-2.654023E-06,-3.681685E-05,-2.327377E-07,-6.721604E-07,-8.795797E-07,-2.133872E-06,-8.953278E-07,4.250143E-06,-8.494729E-07,6.796384E-05,-1.076885E-05,8.481465E-04,-1.076113E-05,6.592059E-03,1.999674E-01,2.000464E-01,1.084503E+00,2.002293E+00

Reference

Performance check

DUT Condition

calkit-5720ah1

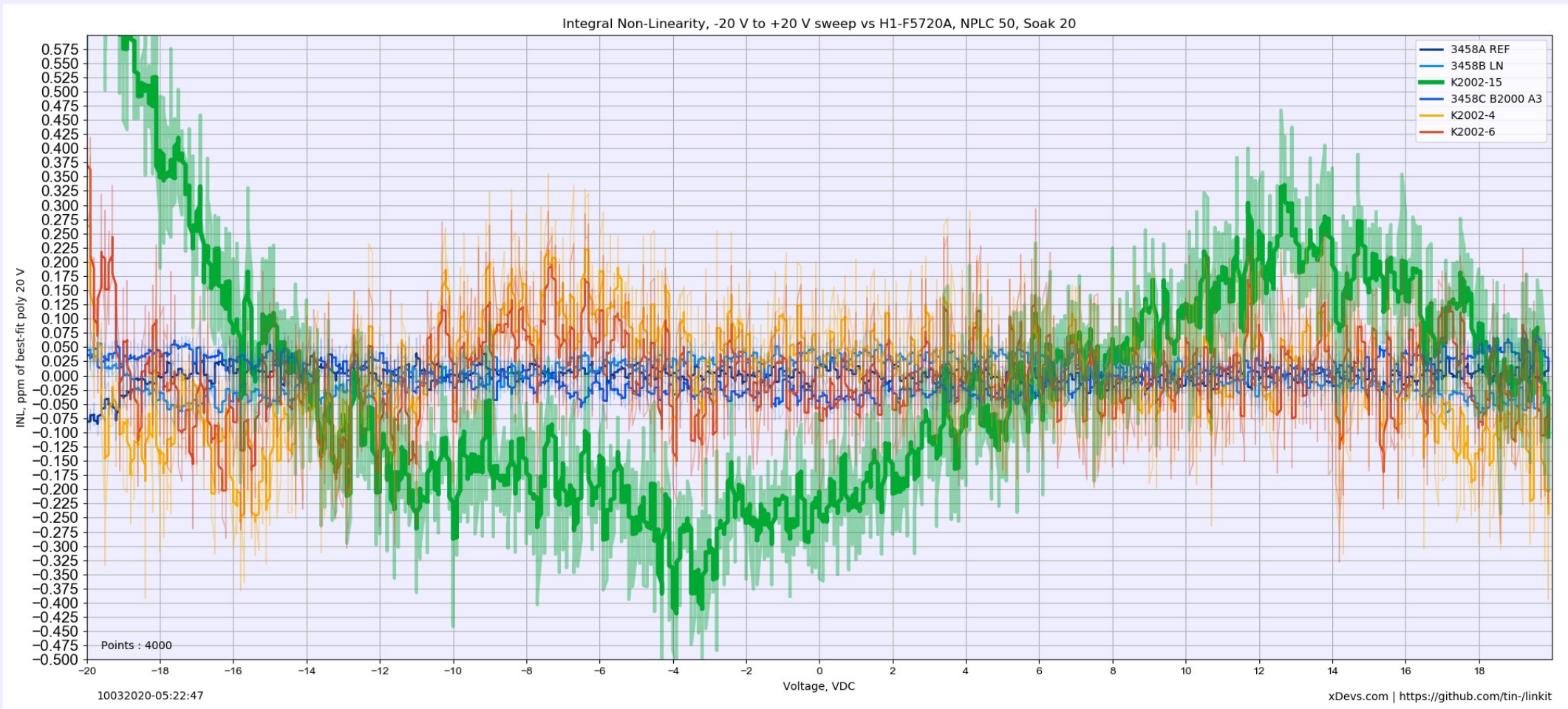
Test procedure : \$Id: k2002.py | Rev 1923 | 2020/10/14 22:27:38 tin\_fpga \$

Source procedure : \$Id: f5720b.py | Rev 1902 | 2020/10/05 19:33:59 tin\_fpga \$

Main DC Voltage ranges performance test.  
 Checks zero offset and +/-FS calibration on all ranges  
 The following test for the offset voltage specification using MFC 0V source in 4-wire ext sense mode as reference.  
 DCV gain range points verify gain of the DC voltage function, using uncorrected 24-hour MFC output. DC voltage offset of DUT is nulled before FS tests.

Test Description	Expected Value	Measured Value	Measurement Uncertainty	Lower Limit	Upper Limit	Deviation	DUT Spec	Test Status
Short 0 mVDC	0.000000E+00	<b>0.30 µV</b>	0.50 µV	-1.700 µV	1.700 µV	N/A	1.20 µV	PASS
Short 0.0 VDC	0.000000E+00	<b>-0.20 µV</b>	0.50 µV	-4.500 µV	4.500 µV	N/A	4.00 µV	PASS
Short 00.0 VDC	0.000000E+00	<b>-0.00 µV</b>	0.50 µV	-80.500 µV	80.500 µV	N/A	80.00 µV	PASS
Short 000.0 VDC	0.000000E+00	<b>10.00 µV</b>	0.50 µV	-600.500 µV	600.500 µV	N/A	0.60 mV	PASS
Short 0000.0 VDC	0.000000E+00	<b>-0.00 µV</b>	0.50 µV	-6000.500 µV	6000.500 µV	N/A	6.00 mV	PASS
DCV Test	0.1V-1000V	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
0.02 VDC (0.20 Range)	0.0200000	<b>0.02000016</b>	24.00 ppm	0.01999885	0.02000115	8.000 ppm	33.50 ppm	PASS 19.41 %
0.1 VDC (0.20 Range)	0.1000000	<b>0.10000073</b>	8.00 ppm	0.09999825	0.10000175	7.300 ppm	9.50 ppm	PASS 58.78 %
0.2 VDC (0.20 Range)	0.2000000	<b>0.20000028</b>	7.27 ppm	0.19999725	0.20000275	1.375 ppm	6.50 ppm	PASS 14.10 %
-0.02 VDC (0.20 Range)	-0.0200000	<b>-0.019999895</b>	24.00 ppm	-0.02000115	-0.01999885	-5.250 ppm	33.50 ppm	PASS 12.74 %
-0.1 VDC (0.20 Range)	-0.1000000	<b>-0.10000004</b>	8.00 ppm	-0.10000175	-0.09999825	0.450 ppm	9.50 ppm	PASS 3.62 %
-0.2 VDC (0.20 Range)	-0.2000000	<b>-0.20000046</b>	7.27 ppm	-0.20000275	-0.19999725	2.275 ppm	6.50 ppm	PASS 23.33 %
0.2 VDC (2.00 Range)	0.2000000	<b>0.2000000</b>	12.00 ppm	0.19999676	0.20000324	0.000 ppm	4.20 ppm	PASS 0.00 %
1.0 VDC (2.00 Range)	1.0000000	<b>1.0000015</b>	3.86 ppm	0.9999434	1.0000057	1.500 ppm	1.80 ppm	PASS 35.22 %
1.9 VDC (2.00 Range)	1.9000000	<b>1.9000037</b>	3.86 ppm	1.8999898	1.9000102	1.947 ppm	1.52 ppm	PASS 46.96 %
2.0 VDC (2.00 Range)	2.0000000	<b>2.0000038</b>	3.86 ppm	1.9999893	2.0000107	1.900 ppm	1.50 ppm	PASS 45.88 %
-0.2 VDC (2.00 Range)	-0.2000000	<b>-0.2000012</b>	12.00 ppm	-0.20000324	-0.19999676	6.000 ppm	4.20 ppm	PASS 47.19 %
-1.0 VDC (2.00 Range)	-1.0000000	<b>-1.0000005</b>	3.86 ppm	-1.0000057	-0.99999434	5.000 ppm	1.80 ppm	FAIL 117.40 %
-1.9 VDC (2.00 Range)	-1.9000000	<b>-1.9000095</b>	3.86 ppm	-1.9000102	-1.8999898	5.000 ppm	1.52 ppm	FAIL 120.57 %
-2.0 VDC (2.00 Range)	-2.0000000	<b>-2.0000102</b>	3.86 ppm	-2.0000107	-1.9999893	5.100 ppm	1.50 ppm	FAIL 123.15 %
1.0 VDC (20.00 Range)	1.0000000	<b>1.0000000</b>	3.86 ppm	0.99999294	1.0000071	0.000 ppm	3.20 ppm	PASS 0.00 %
10.0 VDC (20.00 Range)	10.0000000	<b>10.000005</b>	2.77 ppm	9.9999583	10.000042	0.500 ppm	1.40 ppm	PASS 16.11 %
19.0 VDC (20.00 Range)	19.0000000	<b>19.000021</b>	2.75 ppm	18.999923	19.000077	1.105 ppm	1.31 ppm	PASS 36.31 %
20.0 VDC (20.00 Range)	20.0000000	<b>20.000024</b>	2.73 ppm	19.999919	20.000081	1.200 ppm	1.30 ppm	PASS 39.69 %
-1.0 VDC (20.00 Range)	-1.0000000	<b>-1.000002</b>	3.86 ppm	-1.0000071	-0.99999294	2.000 ppm	3.20 ppm	PASS 39.89 %
-10.0 VDC (20.00 Range)	-10.0000000	<b>-10.000021</b>	2.77 ppm	-10.000042	-9.9999583	2.100 ppm	1.40 ppm	PASS 67.66 %
-19.0 VDC (20.00 Range)	-19.0000000	<b>-19.000049</b>	2.75 ppm	-19.000077	-18.999923	2.579 ppm	1.31 ppm	PASS 84.72 %
-20.0 VDC (20.00 Range)	-20.0000000	<b>-20.000056</b>	2.73 ppm	-20.000081	-19.999919	2.800 ppm	1.30 ppm	PASS 92.60 %
10 VDC (200.00 Range)	10.0000000	<b>10.00000</b>	2.77 ppm	9.9998423	10.000158	0.000 ppm	13.00 ppm	PASS 0.00 %
100 VDC (200.00 Range)	100.0000000	<b>100.00022</b>	3.73 ppm	99.999047	100.00095	2.200 ppm	5.80 ppm	PASS 31.90 %
200 VDC (200.00 Range)	200.0000000	<b>200.00042</b>	3.73 ppm	199.99817	200.00183	2.100 ppm	5.40 ppm	PASS 32.00 %
-10 VDC (200.00 Range)	-10.0000000	<b>-10.00009</b>	2.77 ppm	-10.000158	-9.9998423	9.000 ppm	13.00 ppm	PASS 67.71 %
-100 VDC (200.00 Range)	-100.0000000	<b>-100.00062</b>	3.73 ppm	-100.00095	-99.999047	6.200 ppm	5.80 ppm	PASS 89.91 %
-200 VDC (200.00 Range)	-200.0000000	<b>-200.00115</b>	3.73 ppm	-200.00183	-199.99817	5.750 ppm	5.40 ppm	PASS 87.61 %
100 VDC (1000.00 Range)	100.0000000	<b>100.0002</b>	3.73 ppm	99.999047	100.00095	2.000 ppm	5.80 ppm	PASS 29.00 %
200 VDC (1000.00 Range)	200.0000000	<b>200.0005</b>	3.73 ppm	199.99817	200.00183	2.500 ppm	5.40 ppm	PASS 38.09 %
1000 VDC (1000.00 Range)	1000.0000000	<b>1000.0073</b>	5.45 ppm	999.98697	1000.013	7.300 ppm	5.08 ppm	FAIL 121.75 %
-100 VDC (1000.00 Range)	-100.0000000	<b>-100.0004</b>	3.73 ppm	-100.00095	-99.999047	4.000 ppm	5.80 ppm	PASS 58.01 %
-200 VDC (1000.00 Range)	-200.0000000	<b>-200.0008</b>	3.73 ppm	-200.00183	-199.99817	4.000 ppm	5.40 ppm	PASS 60.95 %
-1000 VDC (1000.00 Range)	-1000.0000000	<b>-1000.009</b>	5.45 ppm	-1000.013	-999.98697	9.000 ppm	5.08 ppm	FAIL 150.10 %

DC Voltage linearity on base 20V range was verified with DUT DMM and MFC at prior date.  
Check reference Keysight 3458A group was used as reference standard, while source step voltage from -FS to +FS in 1%/range step.  
DUT DMM is marked K2002-15 (Green plot color)



Vertical scale is defination from reference linearity source, in ppm of the range. Current scale is -0.50 to +0.60 ppm. Reference DMMs configured in 100 VDC range to account for 20V span for Keithley 2002s. Horizontal scale represent applied source voltage from MFC

4W test procedure for all test points that verify Gain of the OHMF function. 4-wire kelvin connection is used between DMM and MFC.  
DMM configured with OCOMP ENABLED, and :TRIG:DEL 1.5 seconds for 20 Ω to 20000 Ω to account for cable DA.  
1GΩ resistance range is tested using the external standard, as MFC unable to provide this range value.

OHM Test	Reference	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
1 Ω	0.9997979 Ω	<b>0.99975 Ω</b>	32.0 ppm	9.9967091E-01	9.9992489E-01	-47.910 ppm	95.02 ppm	PASS, 47.78 % of 100.26 ppm
1.9 Ω	1.8998603	<b>1.899757</b>	25.00 ppm	1.8997133E+00	1.9000073E+00	-54.372 ppm	52.4 ppm	PASS, 94.38 % of 57.61 ppm
10 Ω	10.000629 Ω	<b>10.000437 Ω</b>	5.0 ppm	1.0000439E+01	1.0000819E+01	-19.199 ppm	14.00 ppm	FAIL, 131.86 % of 14.56 ppm
19 Ω	19.000249 Ω	<b>18.999938 Ω</b>	4.0 ppm	1.8999988E+01	1.9000510E+01	-16.368 ppm	9.74 ppm	FAIL, 155.50 % of 10.53 ppm
100 Ω	99.99672 Ω	<b>99.99647 Ω</b>	1.7 ppm	9.9995450E+01	9.9997990E+01	-2.500 ppm	11.00 ppm	PASS, 22.46 % of 11.13 ppm
190 Ω	189.99381 Ω	<b>189.99305 Ω</b>	1.7 ppm	1.8999194E+02	1.8999568E+02	-4.000 ppm	8.16 ppm	PASS, 48.00 % of 8.33 ppm
1.0 kΩ	1000.0271 Ω	<b>1000.0293 Ω</b>	1.7 ppm	1.0000223E+03	1.0000319E+03	2.200 ppm	3.10 ppm	PASS, 62.22 % of 3.54 ppm
1.9 kΩ	1899.8977	<b>1899.9031</b>	1.70 ppm	1.8998891E+03	1.8999063E+03	2.842 ppm	2.8 ppm	PASS, 86.41 % of 3.29 ppm
10 kΩ	9999.814 Ω	<b>9999.807 Ω</b>	1.6 ppm	9.9997670E+03	9.9998610E+03	-0.700 ppm	3.10 ppm	PASS, 20.07 % of 3.49 ppm
19 kΩ	18999.312 Ω	<b>18999.297 Ω</b>	1.7 ppm	1.8999226E+04	1.8999398E+04	-0.790 ppm	2.82 ppm	PASS, 24.00 % of 3.29 ppm
100 kΩ	99994.87 Ω	<b>99994.84 Ω</b>	2.0 ppm	9.9994020E+04	9.9995720E+04	-0.300 ppm	6.50 ppm	PASS, 4.41 % of 6.80 ppm
190 kΩ	189989.31 Ω	<b>189988.57 Ω</b>	2.0 ppm	1.8998779E+05	1.8999083E+05	-3.895 ppm	6.03 ppm	PASS, 61.34 % of 6.35 ppm
1.0 MΩ	999982.4 Ω	<b>999977.3 Ω</b>	2.5 ppm	9.9996730E+05	9.9999750E+05	-5.100 ppm	12.60 ppm	PASS, 39.70 % of 12.85 ppm
1.9 MΩ	1899979 Ω	<b>1899966.8 Ω</b>	3.0 ppm	1.8999499E+06	1.9000081E+06	-6.421 ppm	12.32 ppm	PASS, 51.46 % of 12.48 ppm
10 MΩ	9999085 Ω	<b>9998985 Ω</b>	10.0 ppm	9.9984811E+06	9.9996889E+06	-10.001 ppm	50.40 ppm	PASS, 19.46 % of 51.38 ppm
19 MΩ	18998717 Ω	<b>18998421 Ω</b>	20.0 ppm	1.8997383E+07	1.9000051E+07	-15.580 ppm	50.21 ppm	PASS, 28.83 % of 54.05 ppm
100 MΩ	100001140 Ω	<b>100002095 Ω</b>	50.0 ppm	9.9980940E+07	1.0002134E+08	9.550 ppm	152.00 ppm	PASS, 5.97 % of 160.01 ppm
1 GΩ STD	1.0048720 GΩ	<b>1.0000298 GΩ</b>	2890.0 ppm	1001209241	1008534758	-4818 ppm	755 ppm	FAIL 161.33 %

4W and 2W Zero test procedure for all test points that verify Zero offset of the OHMF function. 4-wire kelvin connection is used between DMM and MFC.

<b>OHM ZERO 4W</b>	<b>DUT</b>	<b>Source unc.</b>	<b>Low Limit</b>	<b>Hi limit</b>	<b>Measured</b>	<b>24h spec</b>	<b>Result</b>
20R ΩRange	<b>-0.0000370 Ω</b>	5.000e-05 Ω	-5e-05	5e-05	N/A	9.5000e-06 Ω	PASS
200R ΩRange	<b>-0.0001000 Ω</b>	5.500e-04 Ω	-0.00055	0.00055	N/A	2.8000e-06 Ω	PASS
2K ΩRange	<b>0.0001000 Ω</b>	5.500e-03 Ω	-0.0055	0.0055	N/A	2.8000e-06 Ω	PASS
20K ΩRange	<b>-0.0010000 Ω</b>	5.500e-02 Ω	-0.055	0.055	N/A	2.8000e-06 Ω	PASS
200K ΩRange	<b>-0.0010000 Ω</b>	5.500e-01 Ω	-0.55	0.55	N/A	2.8000e-06 Ω	PASS
<b>OHM ZERO 2W</b>	<b>DUT</b>	<b>Source unc.</b>	<b>Low Limit</b>	<b>Hi limit</b>	<b>Measured</b>	<b>24h spec</b>	<b>Result</b>
20R ΩRange	<b>0.0034250 Ω</b>	5.000e-01 Ω	-0.5	0.5	N/A	9.5000e-06 Ω	PASS
200R ΩRange	<b>0.0037200 Ω</b>	5.000e-01 Ω	-0.5	0.5	N/A	2.8000e-06 Ω	PASS
2K ΩRange	<b>0.0030000 Ω</b>	5.000e-01 Ω	-0.5	0.5	N/A	2.8000e-06 Ω	PASS
20K ΩRange	<b>0.0020000 Ω</b>	4.000e-01 Ω	-0.4	0.4	N/A	2.8000e-06 Ω	PASS
200K ΩRange	<b>0.0000000 Ω</b>	8.000e-01 Ω	-0.8	0.8	N/A	2.8000e-06 Ω	PASS
2M ΩRange	<b>0.0000000 Ω</b>	9.000e+00 Ω	-9	9	N/A	2.8000e-06 Ω	PASS
20M ΩRange	<b>0.0000000 Ω</b>	9.000e+01 Ω	-90	90	N/A	2.8000e-06 Ω	PASS
200M ΩRange	<b>0.0000000 Ω</b>	2.000e+04 Ω	-20000.0	20000.0	N/A	2.8000e-06 Ω	PASS
1G ΩRange	<b>0.0000000 Ω</b>	1.000e+05 Ω	-100000	100000	N/A	2.8000e-06 Ω	PASS

Procedure for all test points in the AC performance verification for SYNCronous mode. This is highest AC accuracy test. AC-measurements does not suffer from TEMF offsets, test connection can be made using shielded leads terminated with dual banana plugs. MFC main AC output is used as reference source

ACV SYNC Test	DUT	w/Guardband	Low Limit	Hi limit	Measured	24h spec	Result, % spec
0.02 V AC+DC @ 10 Hz	0.020002225	0.0400 %	0.019906	0.020094	0.0111 %	0.4325 %	PASS 2.56 %
0.02 V AC+DC @ 20 Hz	0.020001635	0.0280 %	0.019908	0.020092	0.0082 %	0.4325 %	PASS 1.89 %
0.02 V AC+DC @ 50 Hz	0.02000151	0.0270 %	0.019908	0.020092	0.0075 %	0.4325 %	PASS 1.74 %
0.02 V AC+DC @ 60 Hz	0.01999596	0.0270 %	0.019908	0.020092	-0.0202 %	0.4325 %	PASS 4.66 %
0.02 V AC+DC @ 100 Hz	0.02000201	0.0270 %	0.019908	0.020092	0.0101 %	0.4325 %	PASS 2.32 %
0.02 V AC+DC @ 1.0 kHz	0.02000003	0.0270 %	0.019908	0.020092	0.0015 %	0.4325 %	PASS 0.35 %
0.02 V AC+DC @ 6.25 kHz	0.02000044	0.0270 %	0.019908	0.020092	0.0022 %	0.4325 %	PASS 0.51 %
0.02 V AC+DC @ 10.0 kHz	0.020001165	0.0270 %	0.019908	0.020092	0.0058 %	0.4325 %	PASS 1.34 %
0.02 V AC+DC @ 20.0 kHz	0.020001455	0.0270 %	0.019908	0.020092	0.0073 %	0.4325 %	PASS 1.68 %
0.02 V AC+DC @ 50.0 kHz	0.02000228	0.0370 %	0.019906	0.020094	0.0114 %	0.4325 %	PASS 2.63 %
0.02 V AC+DC @ 100.0 kHz	0.01999138	0.0650 %	0.019921	0.020080	-0.0431 %	0.3325 %	PASS 12.72 %
0.02 V AC+DC @ 200.0 kHz	0.019960075	0.0800 %	0.019828	0.020172	-0.1996 %	0.7825 %	PASS 25.38 %
0.02 V AC+DC @ 300.0 kHz	0.01994652	0.0800 %	0.019828	0.020172	-0.2674 %	0.7825 %	PASS 34.00 %
0.02 V AC+DC @ 500.0 kHz	0.02022684	0.2100 %	0.019538	0.020462	1.1342 %	2.1000 %	PASS 53.74 %
0.02 V AC+DC @ 1.0 MHz	0.020883235	0.3400 %	0.019512	0.020488	4.4162 %	2.1000 %	FAIL 207.59 %
0.2 V AC+DC @ 10 Hz	0.19998063	0.0260 %	0.199598	0.200402	-0.0097 %	0.1750 %	PASS 5.47 %
0.2 V AC+DC @ 20 Hz	0.19998489	0.0115 %	0.199627	0.200373	-0.0076 %	0.1750 %	PASS 4.31 %
0.2 V AC+DC @ 50 Hz	0.19998851	0.0105 %	0.199889	0.200111	-0.0057 %	0.0450 %	PASS 12.44 %
0.2 V AC+DC @ 60 Hz	0.19997853	0.0105 %	0.199889	0.200111	-0.0107 %	0.0450 %	PASS 23.24 %
0.2 V AC+DC @ 100 Hz	0.1999924	0.0105 %	0.199889	0.200111	-0.0038 %	0.0450 %	PASS 8.22 %
0.2 V AC+DC @ 1.0 kHz	0.20000618	0.0105 %	0.199889	0.200111	0.0031 %	0.0450 %	PASS 6.68 %
0.2 V AC+DC @ 6.25 kHz	0.20000479	0.0105 %	0.199879	0.200121	0.0024 %	0.0500 %	PASS 4.69 %
0.2 V AC+DC @ 10.0 kHz	0.20000649	0.0105 %	0.199879	0.200121	0.0032 %	0.0500 %	PASS 6.35 %
0.2 V AC+DC @ 20.0 kHz	0.20000808	0.0105 %	0.199879	0.200121	0.0040 %	0.0500 %	PASS 7.91 %
0.2 V AC+DC @ 50.0 kHz	0.19998999	0.0205 %	0.199829	0.200171	-0.0050 %	0.0650 %	PASS 7.35 %
0.2 V AC+DC @ 100.0 kHz	0.19969449	0.0485 %	0.199273	0.200727	-0.1528 %	0.3150 %	PASS 47.93 %
0.2 V AC+DC @ 200.0 kHz	0.19925026	0.0800 %	0.198290	0.201710	-0.3749 %	0.7750 %	PASS 48.11 %
0.2 V AC+DC @ 300.0 kHz	0.19886598	0.0800 %	0.198290	0.201710	-0.5670 %	0.7750 %	PASS 72.78 %
0.2 V AC+DC @ 500.0 kHz	0.1988018	0.1200 %	0.195560	0.204440	-0.5991 %	2.1000 %	PASS 28.48 %
0.2 V AC+DC @ 1.0 MHz	0.20023346	0.2600 %	0.195280	0.204720	0.1167 %	2.1000 %	PASS 5.52 %
2.0 V AC+DC @ 10 Hz	2.0002402	0.0220 %	1.996060	2.003940	0.0120 %	0.1750 %	PASS 6.81 %
2.0 V AC+DC @ 20 Hz	2.0002509	0.0083 %	1.996335	2.003665	0.0125 %	0.1750 %	PASS 7.16 %
2.0 V AC+DC @ 50 Hz	2.0002563	0.0041 %	1.999018	2.000982	0.0128 %	0.0450 %	PASS 28.37 %
2.0 V AC+DC @ 60 Hz	2.0002455	0.0041 %	1.999018	2.000982	0.0123 %	0.0450 %	PASS 27.18 %
2.0 V AC+DC @ 100 Hz	2.0002404	0.0041 %	1.999018	2.000982	0.0120 %	0.0450 %	PASS 26.61 %
2.0 V AC+DC @ 1.0 kHz	2.0002056	0.0041 %	1.999018	2.000982	0.0103 %	0.0450 %	PASS 22.75 %
2.0 V AC+DC @ 6.25 kHz	2.0002364	0.0041 %	1.998918	2.001082	0.0118 %	0.0500 %	PASS 23.56 %
2.0 V AC+DC @ 10.0 kHz	2.000246	0.0041 %	1.998918	2.001082	0.0123 %	0.0500 %	PASS 24.52 %
2.0 V AC+DC @ 20.0 kHz	2.0002348	0.0041 %	1.998918	2.001082	0.0117 %	0.0500 %	PASS 23.41 %
2.0 V AC+DC @ 50.0 kHz	1.9998385	0.0070 %	1.998560	2.001440	-0.0081 %	0.0650 %	PASS 12.35 %
2.0 V AC+DC @ 100.0 kHz	1.9979675	0.0115 %	1.993470	2.006530	-0.1016 %	0.3150 %	PASS 32.24 %

2.0 V AC+DC @ 200.0 kHz	<b>1.9926782</b>	0.0340 %	1.983820	2.016180	-0.3661 %	0.7750 %	PASS 47.19 %
2.0 V AC+DC @ 300.0 kHz	<b>1.9892896</b>	0.0340 %	1.983820	2.016180	-0.5355 %	0.7750 %	PASS 69.03 %
2.0 V AC+DC @ 500.0 kHz	<b>1.9870286</b>	0.0900 %	1.956200	2.043800	-0.6486 %	2.1000 %	PASS 30.86 %
2.0 V AC+DC @ 1.0 MHz	<b>1.9904891</b>	0.1500 %	1.955000	2.045000	-0.4755 %	2.1000 %	PASS 22.59 %
20 V AC+DC @ 10 Hz	<b>20.000003</b>	0.0220 %	19.933600	20.066400	0.0000 %	0.3100 %	PASS 0.01 %
20 V AC+DC @ 20 Hz	<b>20.000318</b>	0.0083 %	19.936350	20.063650	0.0016 %	0.3100 %	PASS 0.51 %
20 V AC+DC @ 50 Hz	<b>20.000663</b>	0.0040 %	19.961210	20.038790	0.0033 %	0.1900 %	PASS 1.74 %
20 V AC+DC @ 60 Hz	<b>20.000611</b>	0.0040 %	19.961210	20.038790	0.0031 %	0.1900 %	PASS 1.61 %
20 V AC+DC @ 100 Hz	<b>20.000856</b>	0.0040 %	19.961210	20.038790	0.0043 %	0.1900 %	PASS 2.25 %
20 V AC+DC @ 1.0 kHz	<b>19.999651</b>	0.0040 %	19.961210	20.038790	-0.0017 %	0.1900 %	PASS 0.92 %
20 V AC+DC @ 6.25 kHz	<b>19.995936</b>	0.0040 %	19.953210	20.046790	-0.0203 %	0.2300 %	PASS 8.83 %
20 V AC+DC @ 10.0 kHz	<b>19.995172</b>	0.0040 %	19.953210	20.046790	-0.0241 %	0.2300 %	PASS 10.49 %
20 V AC+DC @ 20.0 kHz	<b>19.995404</b>	0.0040 %	19.953210	20.046790	-0.0230 %	0.2300 %	PASS 9.99 %
20 V AC+DC @ 50.0 kHz	<b>19.998491</b>	0.0070 %	19.948600	20.051400	-0.0075 %	0.2500 %	PASS 3.02 %
20 V AC+DC @ 100.0 kHz	<b>19.992888</b>	0.0100 %	19.908000	20.092000	-0.0356 %	0.4500 %	PASS 7.90 %
20 V AC+DC @ 200.0 kHz	<b>19.974708</b>	0.0280 %	19.794400	20.205600	-0.1265 %	1.0000 %	PASS 12.64 %
20 V AC+DC @ 300.0 kHz	<b>19.986533</b>	0.0280 %	19.794400	20.205600	-0.0673 %	1.0000 %	PASS 6.73 %
20 V AC+DC @ 500.0 kHz	<b>20.063786</b>	0.0900 %	18.782000	21.218000	0.3189 %	6.0000 %	PASS 5.31 %
20 V AC+DC @ 1.0 MHz	<b>20.478903</b>	0.1400 %	18.772000	21.228000	2.3945 %	6.0000 %	PASS 39.90 %
200.0 V AC+DC @ 10 Hz	<b>200.02783</b>	0.0220 %	199.606000	200.394000	0.0139 %	0.1750 %	PASS 7.89 %
200.0 V AC+DC @ 20 Hz	<b>200.03115</b>	0.0083 %	199.633500	200.366500	0.0156 %	0.1750 %	PASS 8.89 %
200.0 V AC+DC @ 50 Hz	<b>200.03163</b>	0.0048 %	199.880400	200.119600	0.0158 %	0.0550 %	PASS 28.65 %
200.0 V AC+DC @ 60 Hz	<b>200.03075</b>	0.0048 %	199.880400	200.119600	0.0154 %	0.0550 %	PASS 27.85 %
200.0 V AC+DC @ 100 Hz	<b>200.02736</b>	0.0048 %	199.880400	200.119600	0.0137 %	0.0550 %	PASS 24.77 %
200.0 V AC+DC @ 1.0 kHz	<b>200.01947</b>	0.0048 %	199.880400	200.119600	0.0097 %	0.0550 %	PASS 17.63 %
200.0 V AC+DC @ 6.25 kHz	<b>199.987</b>	0.0048 %	199.800400	200.199600	-0.0065 %	0.0950 %	PASS 6.84 %
200.0 V AC+DC @ 10.0 kHz	<b>199.99307</b>	0.0048 %	199.800400	200.199600	-0.0035 %	0.0950 %	PASS 3.65 %
200.0 V AC+DC @ 20.0 kHz	<b>200.00706</b>	0.0048 %	199.800400	200.199600	0.0035 %	0.0950 %	PASS 3.71 %
200.0 V AC+DC @ 50.0 kHz	<b>200.00076</b>	0.0075 %	199.755000	200.245000	0.0004 %	0.1150 %	PASS 0.33 %
200.0 V AC+DC @ 100.0 kHz	<b>199.88486</b>	0.0133 %	199.343500	200.656500	-0.0576 %	0.3150 %	PASS 18.26 %
700.0 V AC+DC @ 50 Hz	<b>699.86615</b>	0.0079 %	699.234952	700.765048	-0.0191 %	0.1014 %	PASS 18.80 %
700.0 V AC+DC @ 60 Hz	<b>699.8749</b>	0.0079 %	699.234952	700.765048	-0.0179 %	0.1014 %	PASS 17.57 %
700.0 V AC+DC @ 100 Hz	<b>699.87745</b>	0.0079 %	699.234952	700.765048	-0.0175 %	0.1014 %	PASS 17.21 %
700.0 V AC+DC @ 1.0 kHz	<b>699.9329</b>	0.0079 %	699.234952	700.765048	-0.0096 %	0.1014 %	PASS 9.42 %
700.0 V AC+DC @ 6.25 kHz	<b>700.0037</b>	0.0111 %	698.932650	701.067350	0.0005 %	0.1414 %	PASS 0.37 %
700.0 V AC+DC @ 10.0 kHz	<b>700.1148</b>	0.0111 %	698.932650	701.067350	0.0164 %	0.1414 %	PASS 11.56 %
700.0 V AC+DC @ 20.0 kHz	<b>700.3092</b>	0.0111 %	698.932650	701.067350	0.0442 %	0.1414 %	PASS 31.14 %



Procedure for all test points that verify Gain of the DC current DCI function. Both +/-FS points are tested.  
 2-wire connection at LO and DCI is used between DMM and MFC.  
 DCI gain range points verify gain of the DC current function, using corrected 24-hour MFC output.

DCI Test	100nA-1A	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
Zero $\mu$ ADC	0	<b>5.35E-10</b>						INFO
1 $\mu$ ADC	1E-06	<b>1.000535E-06</b>	71.82 ppm	9.986792E-07	1.001321E-06	0.0535 %	1249 ppm	PASS 42.76 %
2 $\mu$ ADC	2E-06	<b>2.00056E-06</b>	71.82 ppm	1.998557E-06	2.001443E-06	280.000 ppm	649 ppm	PASS 42.85 %
-1 $\mu$ ADC	-1E-06	<b>-9.9941E-07</b>	71.82 ppm	-1.001323E-06	-9.986772E-07	-0.0590 %	1251 ppm	PASS 47.08 %
-2 $\mu$ ADC	-2E-06	<b>-1.99945E-06</b>	71.82 ppm	-2.001445E-06	-1.998555E-06	-275.000 ppm	651 ppm	PASS 42.02 %
Zero 00 $\mu$ ADC	0	<b>3.8E-10</b>						INFO
10 $\mu$ ADC	1E-05	<b>1.000058E-05</b>	71.82 ppm	9.997583E-06	1.000242E-05	58.000 ppm	170 ppm	PASS 31.44 %
20 $\mu$ ADC	2E-05	<b>2.0000585E-05</b>	71.82 ppm	1.999636E-05	2.000364E-05	29.250 ppm	110 ppm	PASS 22.27 %
-10 $\mu$ ADC	-1E-05	<b>-9.999525E-06</b>	71.82 ppm	-1.000242E-05	-9.997581E-06	-47.500 ppm	170 ppm	PASS 25.73 %
20 $\mu$ ADC	-2E-05	<b>-1.9999655E-05</b>	71.82 ppm	-2.000364E-05	-1.999636E-05	-17.250 ppm	110 ppm	PASS 13.13 %
Zero 000 $\mu$ ADC	0	<b>3.25E-10</b>						INFO
100 $\mu$ ADC	0.0001	<b>9.999965E-05</b>	71.82 ppm	9.998662E-05	0.0001000134	-0.350 ppm	62 ppm	PASS 0.37 %
200 $\mu$ ADC	0.0002	<b>0.00019999902</b>	71.82 ppm	0.0001999744	0.0002000256	-4.900 ppm	56 ppm	PASS 5.38 %
-100 $\mu$ ADC	-0.0001	<b>-0.00010000055</b>	71.82 ppm	-0.0001000134	-9.998662E-05	5.450 ppm	62 ppm	PASS 5.74 %
-200 $\mu$ ADC	-0.0002	<b>-0.00020000171</b>	71.82 ppm	-0.0002000256	-0.0001999744	8.550 ppm	56 ppm	PASS 9.39 %
Zero mADC	0	<b>3.1E-10</b>						INFO
-1.0 mADC	0.001	<b>0.0010000012</b>	33.64 ppm	0.0009999064	0.001000094	1.200 ppm	60 ppm	PASS 1.74 %
2.0 mADC	0.002	<b>0.0019999941</b>	33.64 ppm	0.001999823	0.002000177	-2.975 ppm	55 ppm	PASS 4.61 %
-1.0 mADC	-0.001	<b>-0.0010000081</b>	33.64 ppm	-0.001000094	-0.0009999064	8.100 ppm	60 ppm	PASS 11.78 %
-2.0 mADC	-0.002	<b>-0.0020000224</b>	33.64 ppm	-0.002000177	-0.001999823	11.175 ppm	55 ppm	PASS 17.33 %
Zero 00 mADC	0	<b>3.8E-10</b>						INFO
10 mADC	0.01	<b>0.009999878</b>	32.27 ppm	0.009999077	0.01000092	-12.200 ppm	60 ppm	PASS 17.91 %
20 mADC	0.02	<b>0.019999712</b>	32.27 ppm	0.01999825	0.02000175	-14.375 ppm	55 ppm	PASS 22.54 %
-10 mADC	-0.01	<b>-0.0099999805</b>	32.27 ppm	-0.01000092	-0.009999077	-1.950 ppm	60 ppm	PASS 2.86 %
-20 mADC	-0.02	<b>-0.020000005</b>	32.27 ppm	-0.02000175	-0.01999825	0.250 ppm	55 ppm	PASS 0.39 %
Zero 000 mADC	0	<b>2.5E-10</b>						INFO
100 mADC	0.1	<b>0.09999792</b>	53.32 ppm	0.09998617	0.1000138	-20.800 ppm	85 ppm	PASS 20.73 %
200 mADC	0.2	<b>0.20000044</b>	53.32 ppm	0.1999733	0.2000267	2.225 ppm	80 ppm	PASS 2.31 %
-100 mADC	-0.1	<b>-0.099999405</b>	53.32 ppm	-0.1000138	-0.09998617	-5.950 ppm	85 ppm	PASS 5.93 %
-200 mADC	-0.2	<b>-0.20000334</b>	53.32 ppm	-0.2000267	-0.1999733	16.725 ppm	80 ppm	PASS 17.40 %
Zero ADC	0	<b>3.8E-10</b>						INFO
1.0 ADC	1	<b>1.0000056</b>	115.22 ppm	0.9995248	1.000475	5.650 ppm	360 ppm	PASS 1.49 %
2.0 ADC	2	<b>2.0000353</b>	115.22 ppm	1.99906	2.00094	17.650 ppm	355 ppm	PASS 4.73 %
-1.0 ADC	-1	<b>-1.0001179</b>	115.22 ppm	-1.000475	-0.9995248	117.850 ppm	360 ppm	PASS 31.18 %
-2.0 ADC	-2	<b>-1.9999573</b>	115.22 ppm	-2.00094	-1.99906	-21.325 ppm	355 ppm	PASS 5.71 %

ACI Test	200µA-2A	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result, % spec
10 µA AC @ 50 Hz	1e-05	<b>9.7885E-06</b>	0.0165 %	-0.0002900076545	0.0003100076545	-2.1150 %	3000.0600 %	INFO
20 µA AC @ 50 Hz	5e-05	<b>5.00227E-05</b>	0.0165 %	-0.0002500382725	0.0003500382725	0.0454 %	600.0600 %	PASS 0.01 %
100 µA AC @ 50 Hz	0.0001	<b>0.000100013</b>	0.0165 %	-0.000200076545	0.000400076545	0.0130 %	300.0600 %	PASS 0.00 %
200 µA AC @ 50 Hz	0.0002	<b>0.000199942</b>	0.0165 %	-0.00010015309	0.00050015309	-0.0290 %	150.0600 %	PASS 0.02 %
1.0 mA AC @ 50 Hz	0.001	<b>0.0009996012</b>	0.0138 %	0.00099924182	0.00100075818	-398.800 ppm	0.0620 %	PASS 62.78 %
2.0 mA AC @ 50 Hz	0.002	<b>0.0019996276</b>	0.0138 %	0.00199850364	0.00200149636	-186.200 ppm	0.0610 %	PASS 29.77 %
10 mA AC @ 50 Hz	0.01	<b>0.009996372</b>	0.0138 %	0.0099924182	0.0100075818	-362.800 ppm	0.0620 %	PASS 57.11 %
20 mA AC @ 50 Hz	0.02	<b>0.019997113</b>	0.0138 %	0.0199850364	0.0200149636	-144.350 ppm	0.0610 %	PASS 23.08 %
100 mA AC @ 50 Hz	0.1	<b>0.10000884</b>	0.0134 %	0.099924636	0.100075364	88.400 ppm	0.0620 %	PASS 13.94 %
200 mA AC @ 50 Hz	0.2	<b>0.20006403</b>	0.0134 %	0.199851272	0.200148728	320.150 ppm	0.0610 %	PASS 51.27 %
1.0 A AC @ 50 Hz	1.0	<b>0.999712</b>	0.0308 %	0.99887182	1.00112818	-288.000 ppm	0.0820 %	PASS 32.88 %
2.0 A AC @ 50 Hz	2.0	<b>1.9998744</b>	0.0308 %	1.99776364	2.00223636	-62.800 ppm	0.0810 %	PASS 7.25 %
10 µA AC @ 60 Hz	1e-05	<b>9.8035E-06</b>	0.0165 %	-0.0002900076545	0.0003100076545	-1.9650 %	3000.0600 %	INFO
20 µA AC @ 60 Hz	5e-05	<b>5.00171E-05</b>	0.0165 %	-0.0002500382725	0.0003500382725	0.0342 %	600.0600 %	PASS 0.01 %
100 µA AC @ 60 Hz	0.0001	<b>0.0001000164</b>	0.0165 %	-0.000200076545	0.000400076545	0.0164 %	300.0600 %	PASS 0.01 %
200 µA AC @ 60 Hz	0.0002	<b>0.0001999247</b>	0.0165 %	-0.00010015309	0.00050015309	-0.0377 %	150.0600 %	PASS 0.03 %
1.0 mA AC @ 60 Hz	0.001	<b>0.0009997005</b>	0.0138 %	0.00099924182	0.00100075818	-299.500 ppm	0.0620 %	PASS 47.15 %
2.0 mA AC @ 60 Hz	0.002	<b>0.0019997484</b>	0.0138 %	0.00199850364	0.00200149636	-125.800 ppm	0.0610 %	PASS 20.11 %
10 mA AC @ 60 Hz	0.01	<b>0.009997222</b>	0.0138 %	0.0099924182	0.0100075818	-277.800 ppm	0.0620 %	PASS 43.73 %
20 mA AC @ 60 Hz	0.02	<b>0.019998847</b>	0.0138 %	0.0199850364	0.0200149636	-57.650 ppm	0.0610 %	PASS 9.22 %
100 mA AC @ 60 Hz	0.1	<b>0.10001869</b>	0.0134 %	0.099924636	0.100075364	186.900 ppm	0.0620 %	PASS 29.47 %
200 mA AC @ 60 Hz	0.2	<b>0.20007925</b>	0.0134 %	0.199851272	0.200148728	396.250 ppm	0.0610 %	PASS 63.45 %
1.0 A AC @ 60 Hz	1.0	<b>0.9997687</b>	0.0308 %	0.99887182	1.00112818	-231.300 ppm	0.0820 %	PASS 26.40 %
2.0 A AC @ 60 Hz	2.0	<b>2.0000333</b>	0.0308 %	1.99776364	2.00223636	16.650 ppm	0.0810 %	PASS 1.92 %
10 µA AC @ 1.0 kHz	1e-05	<b>9.7825E-06</b>	0.0165 %	-0.0002900076545	0.0003100076545	-2.1750 %	3000.0600 %	INFO
20 µA AC @ 1.0 kHz	5e-05	<b>5.00173E-05</b>	0.0165 %	-0.0002500382725	0.0003500382725	0.0346 %	600.0600 %	PASS 0.01 %
100 µA AC @ 1.0 kHz	0.0001	<b>0.0001000125</b>	0.0165 %	-0.000200076545	0.000400076545	0.0125 %	300.0600 %	PASS 0.00 %
200 µA AC @ 1.0 kHz	0.0002	<b>0.0001999587</b>	0.0165 %	-0.00010015309	0.00050015309	-0.0207 %	150.0600 %	PASS 0.01 %
1.0 mA AC @ 1.0 kHz	0.001	<b>0.0009997597</b>	0.0138 %	0.00099954182	0.00100045818	-240.300 ppm	0.0320 %	PASS 68.94 %
2.0 mA AC @ 1.0 kHz	0.002	<b>0.0019999506</b>	0.0138 %	0.00199910364	0.00200089636	-24.700 ppm	0.0310 %	PASS 7.28 %
10 mA AC @ 1.0 kHz	0.01	<b>0.009998773</b>	0.0138 %	0.0099954182	0.0100045818	-122.700 ppm	0.0320 %	PASS 35.20 %
20 mA AC @ 1.0 kHz	0.02	<b>0.020001828</b>	0.0138 %	0.0199910364	0.0200089636	91.400 ppm	0.0310 %	PASS 26.93 %
100 mA AC @ 1.0 kHz	0.1	<b>0.10003268</b>	133.64	0.099954636	0.100045364	326.800 ppm	320.0 ppm	PASS 94.24 %
200 mA AC @ 1.0 kHz	0.2	<b>0.20011136</b>	0.0134 %	0.199911272	0.200088728	556.800 ppm	0.0310 %	FAIL 164.94 %
1.0 A AC @ 1.0 kHz	1.0	<b>0.9999415</b>	0.0308 %	0.99867182	1.00132818	-0.0058 %	0.1020 %	PASS 5.49 %
2.0 A AC @ 1.0 kHz	2.0	<b>2.0002743</b>	0.0308 %	1.99736364	2.00263636	0.0137 %	0.1010 %	PASS 12.99 %
10 µA AC @ 10.0 kHz	1e-05	<b>9.7486E-06</b>	0.1400 %	9.986e-06	1.0014e-05	-25140.000 ppm	0.0000 %	INFO
20 µA AC @ 10.0 kHz	5e-05	<b>4.9988E-05</b>	0.1400 %	4.993e-05	5.007e-05	-240.000 ppm	0.0000 %	PASS 17.14 %
100 µA AC @ 10.0 kHz	0.0001	<b>9.99524E-05</b>	0.1400 %	9.986e-05	0.00010014	-476.000 ppm	0.0000 %	PASS 34.00 %
200 µA AC @ 10.0 kHz	0.0002	<b>0.000199824</b>	0.1400 %	0.00019972	0.00020028	-880.000 ppm	0.0000 %	PASS 62.86 %
1.0 mA AC @ 10.0 kHz	0.001	<b>0.0009999278</b>	0.1400 %	0.00099798	0.00100202	-72.200 ppm	0.0620 %	PASS 4.72 %
2.0 mA AC @ 10.0 kHz	0.002	<b>0.002000054</b>	0.1400 %	0.00199598	0.00200402	27.000 ppm	0.0610 %	PASS 1.77 %

10 mA AC @ 10.0 kHz	0.01	<b>0.009999971</b>	0.1300 %	0.0099808	0.0100192	-2.900 ppm	0.0620 %	PASS 0.20 %
20 mA AC @ 10.0 kHz	0.02	<b>0.020001789</b>	0.1300 %	0.0199618	0.0200382	89.450 ppm	0.0610 %	PASS 6.23 %
100 mA AC @ 10.0 kHz	0.1	<b>0.10007861</b>	0.1100 %	0.099828	0.100172	786.100 ppm	0.0620 %	PASS 62.26 %
200 mA AC @ 10.0 kHz	0.2	<b>0.20017664</b>	0.1100 %	0.199658	0.200342	883.200 ppm	0.0610 %	PASS 70.22 %
1.0 A AC @ 10.0 kHz	1.0	<b>0.9972373</b>	0.6100 %	0.99088	1.00912	-0.2763 %	0.3020 %	PASS 40.59 %
2.0 A AC @ 10.0 kHz	2.0	<b>1.9915011</b>	0.6100 %	1.98178	2.01822	-0.4249 %	0.3010 %	PASS 62.47 %

Test completed

Test date	15 October 2020 06:35
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Lab temperature maintained +24°C ±2°C

Internal use only

Not validated

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