

Manufacturer	KEITHLEY INSTRUMENTS	Calibration date	August 29 2024
Model Number	Model 2002	Ambient Temperature	24.63 °C
Serial	0644310	Relative Humidity	50.20 %
ID Number	Calibration test as received for Leigh	Pressure	1017.55 hPa
Notes	Test as received, no adjustment, Hulk-1 calibrator	Test type	Front inputs, PTFE cable

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

Reference standard	Mfg	Model	Options	Serial / Unc	CEID	Calibration date	Due date
DCC	MIL	6010B		REDACTED	XRB1	PROCESS	PROCESS
DCC	MIL	6000A		REDACTED	XRB2	PROCESS	PROCESS
MFC	Fluke	5720A	03/HLK	7530212	XHC1	08/27/2024	02/27/2025
Amplifier	Fluke	5725A		5930005	XHB1	08/27/2024	02/27/2025
DC STD ARRAY	xDevs.com	XB1	MATRIX	±0.8 ppm	XVB04	NOV.22	SEP.24
DC STD	xDevs.com/Fluke	732Bx	10.0000960 VDC	±0.5 ppm	XVB04	PROCESS	PROCESS
DC STD	xDevs.com	792X[2]	9.99997622 VDC	±0.3 ppm	XVB01	PROCESS	PROCESS
STDR	ESI	SR104	10000.0025 KΩ	±0.2 ppm	G202088930104	08/02/2024	08/02/2025
STDR	xDevs.com/Fluke	SL935	1.00006354 Ω	±0.4 ppm	XR03	08/04/2024	09/04/2024
STDR	xDevs.com/Fluke	SL935	9999.9775 kΩ	±0.25 ppm	XR02	08/02/2024	08/02/2025
DMM	HP	3458A	001,X02	MY45040325	XD2	PROCESS	PROCESS
DMM	HP	3458A	001,X02	Process DMM	XD3	PROCESS	PROCESS
Divider	Fluke	752A	4295200		XR01	PROCESS	PROCESS
ARB	Keysight	33522B			XG05	PROCESS	PROCESS

MFC last calibrated	2.0 days ago	MFC since DCV ZERO	1.0 days ago
MFC since WBFLAT	75.0 days ago	MFC since WBGAIN	77.0 days ago
MFC Confidence level	24h 95% REL	MFC Calibrate date	2024-08-27 00:00:00
MFC Calibrate date Zero	2024-08-28 00:00:00	Calibrate date WB Flatness	2024-06-15 00:00:00
Calibrate date WB Gain	2024-06-13 00:00:00	CAL CONST 6.5V reference voltage	6.95746964688
CAL CONST 13V reference voltage	13.8552886595	CAL CONST 22V range positive zero	398.1775
CAL CONST 22V range negative zero	398.177	CAL CONST DAC Linearity	0.0
CAL CONST 10KOHM true output resistance	9999.8080183	CAL CONST 10KOHM standard resistance	9998.75141004
CAL CONST, Zero calibration temperature	25.2999992371	CAL CONST, All calibration temp	25.2999992371
Booster type	VB5725,IB5725	Current output posts	AUX
Calibrate date 5725A AMP	2024-08-27 00:00:00	Calibrated days ago	Debug
CAL CONST, Amp ACAL temperature	25.2999992371	CAL CONST, Amp CalCheck temperature	25.2999992371

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 2002,0644310,A06 /A02	Test date start	29 August 2024 12:58
Test specification interval	24 hour DUT spec	Line frequency	120V 60 Hz
Next calibration date	2024,04,06	Last calibration date	2023,04,06
DUT Δ temperature to cal	0.10 °C	Last calibration temperature	24.74 °C

Service information

Last calibration temperature	24.74 °C
All CAL values	<p>9.995967E-01,3.181807E-04,1.000074E+01,3.018196E-04,1.000037E+00,-1.153319E-05,1.000489E+01,9.902058E-05,9.999345E+01,4.965632E+02,3.393612E-03,7.669491E-03,2.169876E-03,3.530569E-03,7.640504E-03,1.155000E+02,1.240000E+02,-4.987527E-05,-5.051221E-05,-5.047262E-05,-5.005726E-05,-5.006976E-05,-8.814643E-05,-1.753848E-06,-6.889219E-06,-1.239148E-06,-7.355743E-07,-2.900022E-06,-3.817832E-05,-6.709772E-07,-7.168203E-07,-2.514552E-06,-2.061099E-06,-2.567900E-06,1.422769E+00,1.422769E+00,7.225795E-06,1.422762E+00,1.422752E+00,-2.549562E-06,1.422770E+00,1.422770E+00,1.014645E-04,1.422857E+00,1.422752E+00,-3.095154E-05,1.778079E+00,1.778078E+00,1.272753E-03,1.779173E+00,1.777862E+00,-2.794719E-05,1.778079E+00,1.778076E+00,9.921913E-03,1.787853E+00,1.777862E+00,1.111916E+00,2.779690E-01,2.779705E+00,1.111831E-01,1.390061E+00,7.271873E-01,2.666400E-01,1.013275E+00,1.013342E+00,2.436114E+00,1.443033E+00,1.013346E+00,2.436119E+00,1.424795E+00,1.266916E+00,3.045026E+00,1.780594E+00,9.502134E-01,2.728323E+00,1.778312E+00,1.389938E+00,1.389914E+00,1.392061E+00,1.407953E+00,1.390522E+00,1.999948E+00,2.000000E+00,2.000000E+01,9.999824E+05,1.899892E+05,1.899927E+04,1.899872E+03,1.899913E+02,1.900018E+01,2.000000E-04,2.000000E-03,2.000000E-02,2.000000E-01,2.000000E+00,4.240232E+01,2.000771E+00,2.001186E+00,1.165000E+02,4.027737E-01,1.999707E+00,1.155000E+02,1.290000E+02,1.498985E+00,1.499537E+00,2.000962E+00,9.600000E+01,1.200000E+02,5.476605E-03,5.559422E-01,1.389804E-01,-1.390266E+00,-1.218312E-06,-3.156020E-06,-4.135718E-05,-7.064024E-07,-8.036457E-07,-2.861871E-06,-2.559012E-06,-2.880209E-06,4.783492E-06,-2.862427E-06,7.827522E-05,-3.633145E-05,9.779124E-04,-3.541551E-05,7.616639E-03,2.000856E+00,2.001726E+00,1.065948E+00,2.000768E+00</p>
Reference	
Performance check	
DUT Condition	
Ambient +23.4C	

Test procedure : \$Id: k2002.py | Rev 2959 | 2024/08/28 08:28:25 tin_sl \$

Source procedure : \$Id: f5720b.py | Rev 2963 | 2024/08/29 15:50:47 tin_sl \$

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	Measured Value	Measurement Uncertainty	Lower Limit	Upper Limit	Deviation	DUT Spec	Test Status
Short 0 mVDC	-1.03 µV	1.40 µV	-2.600 µV	2.600 µV	N/A	1.20 µV	PASS
Short 0.0 VDC	-1.42 µV	1.40 µV	-5.400 µV	5.400 µV	N/A	4.00 µV	PASS
Short 00.0 VDC	-1.60 µV	1.40 µV	-81.400 µV	81.400 µV	N/A	80.00 µV	PASS
Short 000.0 VDC	-11.00 µV	1.40 µV	-601.400 µV	601.400 µV	N/A	0.60 mV	PASS
Short 0000.0 VDC	10.00 µV	1.40 µV	-6001.400 µV	6001.400 µV	N/A	6.00 mV	PASS
DCV Test	Measured Value	Reference uncertainty	Low Limit	Hi limit	Measured deviation	24h spec	Result
0.02 VDC (0.20 Range)	0.02000285	22.5 µV/V	0.01999888	0.02000112	14.2 µV/V	33.5 µV/V	PASS 35.31 %
0.1 VDC (0.20 Range)	0.10000108	9.5 µV/V	0.0999981	0.1000019	10.8 µV/V	9.5 µV/V	PASS 80.54 %
0.2 VDC (0.20 Range)	0.20000157	4.5 µV/V	0.1999978	0.2000022	7.8 µV/V	6.5 µV/V	PASS 99.30 %
-0.02 VDC (0.20 Range)	-0.020000369	22.5 µV/V	-0.02000112	-0.01999888	18.5 µV/V	33.5 µV/V	PASS 45.72 %
-0.1 VDC (0.20 Range)	-0.10000103	9.5 µV/V	-0.1000019	-0.0999981	10.3 µV/V	9.5 µV/V	PASS 76.67 %
-0.2 VDC (0.20 Range)	-0.2000021	4.5 µV/V	-0.2000022	-0.1999978	10.5 µV/V	6.5 µV/V	FAIL 132.75 %
0.2 VDC (2.00 Range)	0.20000113	6.0 µV/V	0.19999796	0.20000204	5.6 µV/V	4.2 µV/V	PASS 77.14 %
1.0 VDC (2.00 Range)	1.0000018	3.2 µV/V	0.999995	1.000005	1.8 µV/V	1.8 µV/V	PASS 48.75 %
1.9 VDC (2.00 Range)	1.9000027	2.9 µV/V	1.8999917	1.9000083	1.4 µV/V	1.5 µV/V	PASS 43.13 %
2.0 VDC (2.00 Range)	2.000003	2.9 µV/V	1.9999913	2.0000087	1.5 µV/V	1.5 µV/V	PASS 46.73 %
-0.2 VDC (2.00 Range)	-0.20000234	6.0 µV/V	-0.20000204	-0.19999796	11.7 µV/V	4.2 µV/V	FAIL 159.75 %
-1.0 VDC (2.00 Range)	-1.0000061	3.2 µV/V	-1.000005	-0.999995	6.1 µV/V	1.8 µV/V	FAIL 167.51 %
-1.9 VDC (2.00 Range)	-1.9000108	2.9 µV/V	-1.9000083	-1.8999917	5.7 µV/V	1.5 µV/V	FAIL 174.32 %
-2.0 VDC (2.00 Range)	-2.0000123	2.9 µV/V	-2.0000087	-1.9999913	6.1 µV/V	1.5 µV/V	FAIL 190.96 %
1.0 VDC (20.00 Range)	1.0000031	7.0 µV/V	0.9999898	1.0000102	3.1 µV/V	3.2 µV/V	PASS 40.28 %
10.0 VDC (20.00 Range)	10.000016	1.9 µV/V	9.999967	10.000033	1.6 µV/V	1.4 µV/V	PASS 67.37 %
19.0 VDC (20.00 Range)	19.000025	1.7 µV/V	18.999943	19.000057	1.3 µV/V	1.3 µV/V	PASS 62.39 %
20.0 VDC (20.00 Range)	20.000028	1.7 µV/V	19.99994	20.00006	1.4 µV/V	1.3 µV/V	PASS 65.65 %
-1.0 VDC (20.00 Range)	-1.0000082	7.0 µV/V	-1.0000102	-0.9999898	8.2 µV/V	3.2 µV/V	FAIL 106.54 %
-10.0 VDC (20.00 Range)	-10.000031	1.9 µV/V	-10.000033	-9.999967	3.1 µV/V	1.4 µV/V	FAIL 129.66 %
-19.0 VDC (20.00 Range)	-19.000052	1.7 µV/V	-19.000057	-18.999943	2.7 µV/V	1.3 µV/V	FAIL 127.71 %
-20.0 VDC (20.00 Range)	-20.000055	1.7 µV/V	-20.00006	-19.99994	2.8 µV/V	1.3 µV/V	FAIL 128.97 %
10 VDC (200.00 Range)	10.000004	6.5 µV/V	9.999805	10.000195	0.4 µV/V	13.0 µV/V	PASS 2.75 %
100 VDC (200.00 Range)	100.00031	2.9 µV/V	99.99913	100.00087	3.1 µV/V	5.8 µV/V	PASS 47.19 %
200 VDC (200.00 Range)	200.00041	2.7 µV/V	199.99838	200.00162	2.0 µV/V	5.4 µV/V	PASS 33.96 %
-10 VDC (200.00 Range)	-10.000061	6.5 µV/V	-10.000195	-9.999805	6.1 µV/V	13.0 µV/V	PASS 41.97 %
-100 VDC (200.00 Range)	-100.00062	2.9 µV/V	-100.00087	-99.99913	6.2 µV/V	5.8 µV/V	PASS 95.61 %
-200 VDC (200.00 Range)	-200.00108	2.7 µV/V	-200.00162	-199.99838	5.4 µV/V	5.4 µV/V	PASS 89.44 %
100 VDC (1000.00 Range)	100.00032	7.0 µV/V	99.99872	100.00128	3.2 µV/V	5.8 µV/V	PASS 35.20 %
200 VDC (1000.00 Range)	200.00055	5.0 µV/V	199.99792	200.00208	2.7 µV/V	5.4 µV/V	PASS 37.37 %
1000 VDC (1000.00 Range)	1000.0015	3.4 µV/V	999.98152	1000.0185	1.5 µV/V	5.1 µV/V	PASS 14.20 %
-100 VDC (1000.00 Range)	-100.00044	7.0 µV/V	-100.00128	-99.99872	4.4 µV/V	5.8 µV/V	PASS 48.40 %
-200 VDC (1000.00 Range)	-200.00078	5.0 µV/V	-200.00208	-199.99792	3.9 µV/V	5.4 µV/V	PASS 52.99 %
-1000 VDC (1000.00 Range)	-1000.0045	3.4 µV/V	-1000.0185	-999.98152	4.5 µV/V	5.1 µV/V	PASS 42.98 %

4W test procedure for all test points that verify Gain of the OHMF function. 4-wire kelvin connection is used between DMM and MFC.
 1GΩ resistance range was NOT tested, as MFC unable to provide this range value.

OHM Test	Reference	Measured DUT	Reference uncertainty	Low Limit	Hi limit	Measured deviation	24h spec	Result
1 Ω	0.9998117 Ω	0.9997973 Ω	32.0 μΩ/Ω	0.999684707	0.999938693	-14.4 μΩ/Ω	95.0 μΩ/Ω	PASS , 14.37 % of 100.3 μΩ/Ω
1.9 Ω	1.8998873 Ω	1.8998268 Ω	25.0 μΩ/Ω	1.8997403	1.9000343	-31.8 μΩ/Ω	52.4 μΩ/Ω	PASS , 55.28 % of 57.6 μΩ/Ω
10 Ω	10.000487 Ω	10.0005237 Ω	5.0 μΩ/Ω	10.000297	10.000677	3.7 μΩ/Ω	14.0 μΩ/Ω	PASS , 25.21 % of 14.6 μΩ/Ω
19 Ω	19.000192 Ω	19.0002090 Ω	4.0 μΩ/Ω	18.999931	19.000453	0.9 μΩ/Ω	9.7 μΩ/Ω	PASS , 8.50 % of 10.5 μΩ/Ω
100 Ω	99.99548 Ω	0.099996 kΩ	1.7 μΩ/Ω	99.99421	99.99675	0.9 μΩ/Ω	11.0 μΩ/Ω	PASS , 8.18 % of 11.1 μΩ/Ω
190 Ω	189.99083 Ω	0.189990 kΩ	1.7 μΩ/Ω	189.988957	189.992703	-1.8 μΩ/Ω	8.2 μΩ/Ω	PASS , 21.41 % of 8.3 μΩ/Ω
1.0 kΩ	1000.0203 Ω	1.0000198 kΩ	1.7 μΩ/Ω	1000.0155	1000.0251	-0.5 μΩ/Ω	3.1 μΩ/Ω	PASS , 14.14 % of 3.5 μΩ/Ω
1.9 kΩ	1899.8666 Ω	1.8998607 kΩ	1.7 μΩ/Ω	1899.85802	1899.87518	-3.1 μΩ/Ω	2.8 μΩ/Ω	PASS , 94.25 % of 3.3 μΩ/Ω
10 kΩ	9999.805 Ω	9.9997854 kΩ	1.6 μΩ/Ω	9999.758	9999.852	-2.0 μΩ/Ω	3.1 μΩ/Ω	PASS , 56.18 % of 3.5 μΩ/Ω
19 kΩ	18999.296 Ω	18.9992190 kΩ	1.7 μΩ/Ω	18999.2102	18999.3818	-4.1 μΩ/Ω	2.8 μΩ/Ω	FAIL , 123.22 % of 3.3 μΩ/Ω
100 kΩ	99994.94 Ω	99.99492 kΩ	2.0 μΩ/Ω	99994.09	99995.79	-0.2 μΩ/Ω	6.5 μΩ/Ω	PASS , 3.38 % of 6.8 μΩ/Ω
190 kΩ	189989.44 Ω	189.98933 kΩ	2.0 μΩ/Ω	189987.915	189990.965	-0.6 μΩ/Ω	6.0 μΩ/Ω	PASS , 9.04 % of 6.3 μΩ/Ω
1.0 MΩ	999983.1 Ω	0.999983 MΩ	2.5 μΩ/Ω	999968	999998.2	-0.4 μΩ/Ω	12.6 μΩ/Ω	PASS , 3.35 % of 12.8 μΩ/Ω
1.9 MΩ	1899979.3 Ω	1.899974 MΩ	3.0 μΩ/Ω	1899950.2	1900008.4	-2.9 μΩ/Ω	12.3 μΩ/Ω	PASS , 23.50 % of 12.5 μΩ/Ω
10 MΩ	9999091 Ω	9.998899 MΩ	10.0 μΩ/Ω	9998487.05	9999694.95	-19.2 μΩ/Ω	50.4 μΩ/Ω	PASS , 37.35 % of 51.4 μΩ/Ω
19 MΩ	18998703 Ω	18.998192 MΩ	20.0 μΩ/Ω	18997369.1	19000036.9	-26.9 μΩ/Ω	50.2 μΩ/Ω	PASS , 49.79 % of 54.0 μΩ/Ω
100 MΩ	100003760 Ω	100.00151 MΩ	50.0 μΩ/Ω	99983559.2	100023961	-22.5 μΩ/Ω	152.0 μΩ/Ω	PASS , 14.04 % of 160.0 μΩ/Ω

4W and 2W Zero test procedure for all ranges that verify Zero offset of the resistance function on the FRONT inputs.

OHM ZERO 4-wire FRONT	Maximum specification	Low Limit	Hi limit	DUT Measured	Result
20 Ω Range (4w FRONT)	5E-05 Ω	-5e-05	5e-05	0.0000079 Ω	PASS
200 Ω Range (4w FRONT)	5E-05 Ω	-5e-05	5e-05	0.0001370 Ω	FAIL
2 kΩ Range (4w FRONT)	5E-05 Ω	-5e-05	5e-05	0.0004300 Ω	FAIL
20 kΩ Range (4w FRONT)	5E-05 Ω	-5e-05	5e-05	0.0024000 Ω	FAIL
200 kΩ Range (4w FRONT)	5E-05 Ω	-5e-05	5e-05	0.0028000 Ω	FAIL
OHM ZERO 2-wire FRONT	Maximum specification	Low Limit	Hi limit	DUT Measured	Result
20 Ω Range (2w FRONT)	0.5 Ω	-0.5	0.5	-0.0456049 Ω	PASS
200 Ω Range (2w FRONT)	0.5 Ω	-0.5	0.5	-0.0442790 Ω	PASS
2 kΩ Range (2w FRONT)	0.5 Ω	-0.5	0.5	-0.0435800 Ω	PASS
20 kΩ Range (2w FRONT)	0.5 Ω	-0.5	0.5	-0.0524000 Ω	PASS
200 kΩ Range (2w FRONT)	0.5 Ω	-0.5	0.5	-0.1760000 Ω	PASS
2 MΩ Range (2w FRONT)	0.5 Ω	-0.5	0.5	-0.6500000 Ω	FAIL
20 MΩ Range (2w FRONT)	0.5 Ω	-0.5	0.5	-0.8000000 Ω	FAIL
200 MΩ Range (2w FRONT)	0.5 Ω	-0.5	0.5	0.0000000 Ω	PASS
1 GΩ Range (2w FRONT)	0.5 Ω	-0.5	0.5	0.0000000 Ω	PASS

4W and 2W Zero test procedure for all ranges that verify Zero offset of the resistance function on the REAR inputs

OHM ZERO 4-wire REAR	Maximum specification	Low Limit	Hi limit	DUT Measured	Result
20 Ω Range (4w REAR)	5E-05 Ω	-5e-05	5e-05	0.0000024 Ω	PASS
200 Ω Range (4w REAR)	5E-05 Ω	-5e-05	5e-05	0.0000920 Ω	FAIL
2 kΩ Range (4w REAR)	5E-05 Ω	-5e-05	5e-05	0.0003300 Ω	FAIL
20 kΩ Range (4w REAR)	5E-05 Ω	-5e-05	5e-05	0.0026000 Ω	FAIL
200 kΩ Range (4w REAR)	5E-05 Ω	-5e-05	5e-05	0.0022000 Ω	FAIL
OHM ZERO 2-wire REAR	Maximum specification	Low Limit	Hi limit	DUT Measured	Result
20 Ω Range (2w REAR)	0.5 Ω	-0.5	0.5	-0.0016100 Ω	PASS
200 Ω Range (2w REAR)	0.5 Ω	-0.5	0.5	-0.0029980 Ω	PASS
2 kΩ Range (2w REAR)	0.5 Ω	-0.5	0.5	-0.0031800 Ω	PASS
20 kΩ Range (2w REAR)	0.5 Ω	-0.5	0.5	-0.0193000 Ω	PASS
200 kΩ Range (2w REAR)	0.5 Ω	-0.5	0.5	-0.1920000 Ω	PASS
2 MΩ Range (2w REAR)	0.5 Ω	-0.5	0.5	-0.8500000 Ω	FAIL
20 MΩ Range (2w REAR)	0.5 Ω	-0.5	0.5	-1.6000000 Ω	FAIL
200 MΩ Range (2w REAR)	0.5 Ω	-0.5	0.5	-1.0000000 Ω	FAIL
1 GΩ Range (2w REAR)	0.5 Ω	-0.5	0.5	0.0000000 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	Measured Value	Source uncertainty	Low Limit	Hi limit	Measured deviation	24h spec	Result, % spec
0.02 V AC+DC @ 10 Hz	0.02000828	0.0400 %	0.0199055	0.0200945	0.0414 %	0.4325 %	PASS, 9.53 % of 4343 μV/V
0.02 V AC+DC @ 20 Hz	0.02000779	0.0280 %	0.0199079	0.0200921	0.0390 %	0.4325 %	PASS, 8.99 % of 4334 μV/V
0.02 V AC+DC @ 50 Hz	0.02000742	0.0270 %	0.0199081	0.0200919	0.0371 %	0.4325 %	PASS, 8.56 % of 4333 μV/V
0.02 V AC+DC @ 60 Hz	0.02000413	0.0270 %	0.0199081	0.0200919	0.0206 %	0.4325 %	PASS, 4.77 % of 4333 μV/V
0.02 V AC+DC @ 100 Hz	0.02000813	0.0270 %	0.0199081	0.0200919	0.0406 %	0.4325 %	PASS, 9.38 % of 4333 μV/V
0.02 V AC+DC @ 1.0 kHz	0.02001208	0.0270 %	0.0199081	0.0200919	0.0604 %	0.4325 %	PASS, 13.94 % of 4333 μV/V
0.02 V AC+DC @ 6.25 kHz	0.02000646	0.0270 %	0.0199081	0.0200919	0.0323 %	0.4325 %	PASS, 7.45 % of 4333 μV/V
0.02 V AC+DC @ 10.0 kHz	0.02000672	0.0270 %	0.0199081	0.0200919	0.0336 %	0.4325 %	PASS, 7.75 % of 4333 μV/V
0.02 V AC+DC @ 20.0 kHz	0.02000588	0.0270 %	0.0199081	0.0200919	0.0294 %	0.4325 %	PASS, 6.78 % of 4333 μV/V
0.02 V AC+DC @ 50.0 kHz	0.01999932	0.0370 %	0.0199061	0.0200939	-0.0034 %	0.4325 %	PASS, 0.78 % of 4341 μV/V
0.02 V AC+DC @ 100.0 kHz	0.01997499	0.0650 %	0.0199205	0.0200795	-0.1250 %	0.3325 %	PASS, 36.91 % of 3388 μV/V
0.02 V AC+DC @ 200.0 kHz	0.01991453	0.0800 %	0.0198275	0.0201725	-0.4274 %	0.7825 %	PASS, 54.33 % of 7866 μV/V
0.02 V AC+DC @ 300.0 kHz	0.01987494	0.0800 %	0.0198275	0.0201725	-0.6253 %	0.7825 %	PASS, 79.50 % of 7866 μV/V
0.02 V AC+DC @ 500.0 kHz	0.02004612	0.2100 %	0.019518	0.020482	0.2306 %	2.2000 %	PASS, 10.43 % of 22100 μV/V
0.02 V AC+DC @ 1.0 MHz	0.02033887	0.6500 %	0.01943	0.02057	1.6944 %	2.2000 %	PASS, 73.86 % of 22940 μV/V
0.2 V AC+DC @ 10 Hz	0.19996147	0.0260 %	0.199418	0.200582	-0.0193 %	0.2650 %	PASS, 7.24 % of 2663 μV/V
0.2 V AC+DC @ 20 Hz	0.19995615	0.0115 %	0.199447	0.200553	-0.0219 %	0.2650 %	PASS, 8.27 % of 2652 μV/V
0.2 V AC+DC @ 50 Hz	0.19996564	0.0105 %	0.199899	0.200101	-0.0172 %	0.0400 %	PASS, 41.57 % of 413 μV/V
0.2 V AC+DC @ 60 Hz	0.19997289	0.0105 %	0.199899	0.200101	-0.0136 %	0.0400 %	PASS, 32.80 % of 413 μV/V
0.2 V AC+DC @ 100 Hz	0.19998051	0.0105 %	0.199899	0.200101	-0.0097 %	0.0400 %	PASS, 23.58 % of 413 μV/V
0.2 V AC+DC @ 1.0 kHz	0.20000245	0.0105 %	0.199899	0.200101	0.0012 %	0.0400 %	PASS, 2.96 % of 413 μV/V
0.2 V AC+DC @ 6.25 kHz	0.20000291	0.0105 %	0.199889	0.200111	0.0015 %	0.0450 %	PASS, 3.15 % of 462 μV/V
0.2 V AC+DC @ 10.0 kHz	0.20000391	0.0105 %	0.199889	0.200111	0.0020 %	0.0450 %	PASS, 4.23 % of 462 μV/V
0.2 V AC+DC @ 20.0 kHz	0.20000609	0.0105 %	0.199889	0.200111	0.0030 %	0.0450 %	PASS, 6.59 % of 462 μV/V
0.2 V AC+DC @ 50.0 kHz	0.19997471	0.0205 %	0.199819	0.200181	-0.0126 %	0.0700 %	PASS, 17.34 % of 729 μV/V
0.2 V AC+DC @ 100.0 kHz	0.19977758	0.0485 %	0.199273	0.200727	-0.1112 %	0.3150 %	PASS, 34.90 % of 3187 μV/V
0.2 V AC+DC @ 200.0 kHz	0.19920438	0.0800 %	0.19579	0.20421	-0.3978 %	2.0250 %	PASS, 19.63 % of 20266 μV/V
0.2 V AC+DC @ 300.0 kHz	0.19875549	0.0800 %	0.19579	0.20421	-0.6223 %	2.0250 %	PASS, 30.70 % of 20266 μV/V
0.2 V AC+DC @ 500.0 kHz	0.19881722	0.1200 %	0.19536	0.20464	-0.5914 %	2.2000 %	PASS, 26.84 % of 22033 μV/V
0.2 V AC+DC @ 1.0 MHz	0.19989036	0.2600 %	0.19508	0.20492	-0.0548 %	2.2000 %	PASS, 2.47 % of 22153 μV/V
2.0 V AC+DC @ 10 Hz	2.0003675	0.0220 %	1.99426	2.00574	0.0184 %	0.2650 %	PASS, 6.91 % of 2659 μV/V
2.0 V AC+DC @ 20 Hz	2.0002886	0.0083 %	1.994535	2.005465	0.0144 %	0.2650 %	PASS, 5.44 % of 2651 μV/V
2.0 V AC+DC @ 50 Hz	2.0003057	0.0041 %	1.999118	2.000882	0.0153 %	0.0400 %	PASS, 38.02 % of 402 μV/V
2.0 V AC+DC @ 60 Hz	2.0003104	0.0041 %	1.999118	2.000882	0.0155 %	0.0400 %	PASS, 38.61 % of 402 μV/V
2.0 V AC+DC @ 100 Hz	2.0003141	0.0041 %	1.999118	2.000882	0.0157 %	0.0400 %	PASS, 39.07 % of 402 μV/V
2.0 V AC+DC @ 1.0 kHz	2.0004133	0.0041 %	1.999118	2.000882	0.0207 %	0.0400 %	PASS, 51.41 % of 402 μV/V
2.0 V AC+DC @ 6.25 kHz	2.0003142	0.0041 %	1.999018	2.000982	0.0157 %	0.0450 %	PASS, 34.77 % of 452 μV/V
2.0 V AC+DC @ 10.0 kHz	2.0003311	0.0041 %	1.999018	2.000982	0.0166 %	0.0450 %	PASS, 36.64 % of 452 μV/V
2.0 V AC+DC @ 20.0 kHz	2.0003137	0.0041 %	1.999018	2.000982	0.0157 %	0.0450 %	PASS, 34.72 % of 452 μV/V
2.0 V AC+DC @ 50.0 kHz	1.9998802	0.0070 %	1.99846	2.00154	-0.0060 %	0.0700 %	PASS, 8.51 % of 703 μV/V
2.0 V AC+DC @ 100.0 kHz	1.9978813	0.0115 %	1.99347	2.00653	-0.1059 %	0.3150 %	PASS, 33.61 % of 3152 μV/V
2.0 V AC+DC @ 200.0 kHz	1.992491	0.0340 %	1.95882	2.04118	-0.3754 %	2.0250 %	PASS, 18.54 % of 20253 μV/V
2.0 V AC+DC @ 300.0 kHz	1.9892444	0.0340 %	1.95882	2.04118	-0.5378 %	2.0250 %	PASS, 26.55 % of 20253 μV/V
2.0 V AC+DC @ 500.0 kHz	1.9873849	0.0900 %	1.9542	2.0458	-0.6308 %	2.2000 %	PASS, 28.65 % of 22018 μV/V
2.0 V AC+DC @ 1.0 MHz	1.9905748	0.1500 %	1.953	2.047	-0.4713 %	2.2000 %	PASS, 21.37 % of 22051 μV/V

20 V AC+DC @ 10 Hz	19.997991	0.0220 %	19.9156	20.0844	-0.0100 %	0.4000 %	PASS , 2.51 % of 4006 μ V/V
20 V AC+DC @ 20 Hz	19.997286	0.0083 %	19.91835	20.08165	-0.0136 %	0.4000 %	PASS , 3.39 % of 4001 μ V/V
20 V AC+DC @ 50 Hz	19.998515	0.0040 %	19.96321	20.03679	-0.0074 %	0.1800 %	PASS , 4.12 % of 1800 μ V/V
20 V AC+DC @ 60 Hz	19.99898	0.0040 %	19.96321	20.03679	-0.0051 %	0.1800 %	PASS , 2.83 % of 1800 μ V/V
20 V AC+DC @ 100 Hz	20.000037	0.0040 %	19.96321	20.03679	0.0002 %	0.1800 %	PASS , 0.10 % of 1800 μ V/V
20 V AC+DC @ 1.0 kHz	20.00073	0.0040 %	19.96321	20.03679	0.0036 %	0.1800 %	PASS , 2.03 % of 1800 μ V/V
20 V AC+DC @ 6.25 kHz	19.995864	0.0040 %	19.95921	20.04079	-0.0207 %	0.2000 %	PASS , 10.34 % of 2000 μ V/V
20 V AC+DC @ 10.0 kHz	19.993775	0.0040 %	19.95921	20.04079	-0.0311 %	0.2000 %	PASS , 15.56 % of 2000 μ V/V
20 V AC+DC @ 20.0 kHz	19.991028	0.0040 %	19.95921	20.04079	-0.0449 %	0.2000 %	PASS , 22.43 % of 2000 μ V/V
20 V AC+DC @ 50.0 kHz	19.989754	0.0070 %	19.9546	20.0454	-0.0512 %	0.2200 %	PASS , 23.27 % of 2201 μ V/V
20 V AC+DC @ 100.0 kHz	19.98219	0.0100 %	19.908	20.092	-0.0891 %	0.4500 %	PASS , 19.78 % of 4501 μ V/V
20 V AC+DC @ 200.0 kHz	19.963641	0.0280 %	19.1444	20.8556	-0.1818 %	4.2500 %	PASS , 4.28 % of 42501 μ V/V
20 V AC+DC @ 300.0 kHz	19.976066	0.0280 %	19.1444	20.8556	-0.1197 %	4.2500 %	PASS , 2.82 % of 42501 μ V/V
20 V AC+DC @ 500.0 kHz	20.055133	0.0900 %	18.782	21.218	0.2757 %	6.0000 %	PASS , 4.59 % of 60007 μ V/V
20 V AC+DC @ 1.0 MHz	20.385439	0.1400 %	18.772	21.228	1.9272 %	6.0000 %	PASS , 32.11 % of 60016 μ V/V
200.0 V AC+DC @ 10 Hz	200.04385	0.0220 %	199.426	200.574	0.0219 %	0.2650 %	PASS , 8.25 % of 2659 μ V/V
200.0 V AC+DC @ 20 Hz	200.0361	0.0083 %	199.4535	200.5465	0.0180 %	0.2650 %	PASS , 6.81 % of 2651 μ V/V
200.0 V AC+DC @ 50 Hz	200.03821	0.0048 %	199.9004	200.0996	0.0191 %	0.0450 %	PASS , 42.22 % of 453 μ V/V
200.0 V AC+DC @ 60 Hz	200.03833	0.0048 %	199.9004	200.0996	0.0192 %	0.0450 %	PASS , 42.35 % of 453 μ V/V
200.0 V AC+DC @ 100 Hz	200.03942	0.0048 %	199.9004	200.0996	0.0197 %	0.0450 %	PASS , 43.55 % of 453 μ V/V
200.0 V AC+DC @ 1.0 kHz	200.03052	0.0048 %	199.9004	200.0996	0.0153 %	0.0450 %	PASS , 33.72 % of 453 μ V/V
200.0 V AC+DC @ 6.25 kHz	199.98311	0.0048 %	199.8604	200.1396	-0.0084 %	0.0650 %	PASS , 12.96 % of 652 μ V/V
200.0 V AC+DC @ 10.0 kHz	199.96513	0.0048 %	199.8604	200.1396	-0.0174 %	0.0650 %	PASS , 26.75 % of 652 μ V/V
200.0 V AC+DC @ 20.0 kHz	199.93511	0.0048 %	199.8604	200.1396	-0.0324 %	0.0650 %	PASS , 49.78 % of 652 μ V/V
200.0 V AC+DC @ 50.0 kHz	199.89681	0.0075 %	199.815	200.185	-0.0516 %	0.0850 %	PASS , 60.47 % of 853 μ V/V
200.0 V AC+DC @ 100.0 kHz	199.75722	0.0133 %	199.3435	200.6565	-0.1214 %	0.3150 %	PASS , 38.50 % of 3153 μ V/V
700.0 V AC+DC @ 50 Hz	699.9492	0.0079 %	699.445	700.555	-0.0073 %	0.0714 %	PASS , 10.10 % of 719 μ V/V
700.0 V AC+DC @ 60 Hz	699.9595	0.0079 %	699.445	700.555	-0.0058 %	0.0714 %	PASS , 8.05 % of 719 μ V/V
700.0 V AC+DC @ 100 Hz	699.9726	0.0079 %	699.445	700.555	-0.0039 %	0.0714 %	PASS , 5.45 % of 719 μ V/V
700.0 V AC+DC @ 1.0 kHz	699.9838	0.0079 %	699.445	700.555	-0.0023 %	0.0714 %	PASS , 3.22 % of 719 μ V/V
700.0 V AC+DC @ 6.25 kHz	699.9562	0.0111 %	699.2127	700.7873	-0.0063 %	0.1014 %	PASS , 6.13 % of 1020 μ V/V
700.0 V AC+DC @ 10.0 kHz	699.8821	0.0111 %	699.2127	700.7873	-0.0168 %	0.1014 %	PASS , 16.51 % of 1020 μ V/V
700.0 V AC+DC @ 20.0 kHz	699.7065	0.0111 %	699.2127	700.7873	-0.0419 %	0.1014 %	PASS , 41.09 % of 1020 μ V/V

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	DUT measured	Reference uncertainty	Low Limit	Hi limit	Deviation from reference	24h spec	Result
Zero μ ADC	0.0200 nA						INFO
1 μ ADC	1.00007 μ A	0.162 %	9.971306E-07	1.002869E-06	0.0070 %	1250 μ A/A	PASS, 3.42 % of 0.205 %
2 μ ADC	1.99999 μ A	0.082 %	1.997057E-06	2.002943E-06	-5.0 μ A/A	650 μ A/A	PASS, 0.48 % of 0.105 %
-1 μ ADC	-1.00008 μ A	0.162 %	-1.002869E-06	-9.971306E-07	0.0080 %	1250 μ A/A	PASS, 3.91 % of 0.205 %
-2 μ ADC	-2.00016 μ A	0.082 %	-2.002943E-06	-1.997057E-06	80.0 μ A/A	650 μ A/A	PASS, 7.64 % of 0.105 %
Zero 00 μ ADC	0.0200 nA						INFO
10 μ ADC	10.00019 μ A	182.0 μ A/A	9.99648E-06	1.000352E-05	19.0 μ A/A	170 μ A/A	PASS, 7.63 % of 249 μ A/A
20 μ ADC	20.00050 μ A	102.0 μ A/A	1.999576E-05	2.000424E-05	25.0 μ A/A	110 μ A/A	PASS, 16.67 % of 150 μ A/A
-10 μ ADC	-10.00048 μ A	182.0 μ A/A	-1.000352E-05	-9.99648E-06	48.0 μ A/A	170 μ A/A	PASS, 19.28 % of 249 μ A/A
20 μ ADC	-20.00096 μ A	102.0 μ A/A	-2.000424E-05	-1.999576E-05	48.0 μ A/A	110 μ A/A	PASS, 32.00 % of 150 μ A/A
Zero 000 μ ADC	-0.1300 nA						INFO
100 μ ADC	100.00233 μ A	38.0 μ A/A	9.999E-05	0.00010001	23.3 μ A/A	62 μ A/A	PASS, 32.04 % of 73 μ A/A
200 μ ADC	200.00395 μ A	30.0 μ A/A	0.0001999828	0.0002000172	19.7 μ A/A	56 μ A/A	PASS, 31.09 % of 64 μ A/A
-100 μ ADC	-100.00456 μ A	38.0 μ A/A	-0.00010001	-9.999E-05	45.6 μ A/A	62 μ A/A	PASS, 62.71 % of 73 μ A/A
-200 μ ADC	-200.00914 μ A	30.0 μ A/A	-0.0002000172	-0.0001999828	45.7 μ A/A	56 μ A/A	PASS, 71.94 % of 64 μ A/A
Zero mADC	-3.5000 nA						INFO
1.0 mADC	1.000025 mA	26.0 μ A/A	0.000999914	0.001000086	25.1 μ A/A	60 μ A/A	PASS, 38.38 % of 65 μ A/A
2.0 mADC	2.000044 mA	24.0 μ A/A	0.001999842	0.002000158	22.0 μ A/A	55 μ A/A	PASS, 36.74 % of 60 μ A/A
-1.0 mADC	-1.000050 mA	26.0 μ A/A	-0.001000086	-0.000999914	49.9 μ A/A	60 μ A/A	PASS, 76.31 % of 65 μ A/A
-2.0 mADC	-2.000099 mA	24.0 μ A/A	-0.002000158	-0.001999842	49.4 μ A/A	55 μ A/A	PASS, 82.24 % of 60 μ A/A
Zero 00 mADC	-38.0000 nA						INFO
10 mADC	10.000049 mA	26.0 μ A/A	0.00999914	0.01000086	4.9 μ A/A	60 μ A/A	PASS, 7.49 % of 65 μ A/A
20 mADC	20.000065 mA	24.0 μ A/A	0.01999842	0.02000158	3.2 μ A/A	55 μ A/A	PASS, 5.42 % of 60 μ A/A
-10 mADC	-10.000314 mA	26.0 μ A/A	-0.01000086	-0.00999914	31.4 μ A/A	60 μ A/A	PASS, 48.02 % of 65 μ A/A
-20 mADC	-20.000578 mA	24.0 μ A/A	-0.02000158	-0.01999842	28.9 μ A/A	55 μ A/A	PASS, 48.16 % of 60 μ A/A
Zero 000 mADC	-450.0000 nA						INFO
100 mADC	100.00359 mA	27.5 μ A/A	0.09998875	0.1000112	35.9 μ A/A	85 μ A/A	PASS, 40.18 % of 89 μ A/A
200 mADC	200.00862 mA	26.2 μ A/A	0.1999788	0.2000212	43.1 μ A/A	80 μ A/A	PASS, 51.19 % of 84 μ A/A
-100 mADC	-100.00620 mA	27.5 μ A/A	-0.1000113	-0.09998875	62.0 μ A/A	85 μ A/A	PASS, 69.40 % of 89 μ A/A
-200 mADC	-200.01402 mA	26.2 μ A/A	-0.2000213	-0.1999787	70.1 μ A/A	80 μ A/A	PASS, 83.26 % of 84 μ A/A
Zero ADC	-1.50000 μ A						INFO
2 ADC	1.999958 A	43.0 μ A/A	1.999204	2.000796	-2.1 μ A/A	355 μ A/A	PASS, 0.59 % of 358 μ A/A
-2 ADC	-1.9999796 A	43.0 μ A/A	-2.000796	-1.999204	-10.2 μ A/A	355 μ A/A	PASS, 2.85 % of 358 μ A/A
-1 ADC	-1.0001047 A	46.0 μ A/A	-1.000406	-0.999594	104.7 μ A/A	360 μ A/A	PASS, 28.85 % of 363 μ A/A
1 ADC	1.0001083 A	46.0 μ A/A	0.999594	1.000406	108.3 μ A/A	360 μ A/A	PASS, 29.84 % of 363 μ A/A

Procedure for all test points that verify Gain of the AC Current ACI function. Three frequency band points are tested, 50 Hz, 60 Hz and 1 kHz. 2-wire connection at LO and DCI is used between DMM and MFC.

ACI Test	Measured Value	Reference uncertainty	Low Limit	Hi limit	Measured deviation	24h spec	Result, % spec
10 µAAC @ 50 Hz	1.00499E-05	0.0165 %	9.9483455e-06	1.00516545e-05	0.4990 %	0.500 %	PASS, 49.87 % of 10005 µA/A
50 µAAC @ 50 Hz	5.00384E-05	0.0165 %	4.98017275e-05	5.01982725e-05	0.0768 %	0.380 %	PASS, 10.10 % of 7607 µA/A
100 µAAC @ 50 Hz	9.99861E-05	0.0165 %	9.9618455e-05	0.000100381545	-0.0139 %	0.365 %	PASS, 1.90 % of 7307 µA/A
200 µAAC @ 50 Hz	0.0001998805	0.0165 %	0.00019925191	0.00020074809	-0.0598 %	0.357 %	PASS, 8.35 % of 7158 µA/A
1.0 mA AC @ 50 Hz	0.0009994128	0.0138 %	0.00099671182	0.00100328818	-0.0587 %	0.315 %	PASS, 9.31 % of 6306 µA/A
2.0 mA AC @ 50 Hz	0.001999379	0.0138 %	0.00199357364	0.00200642636	-0.0310 %	0.307 %	PASS, 5.04 % of 6156 µA/A
10 mA AC @ 50 Hz	0.009994349	0.0138 %	0.0099671182	0.0100328818	-0.0565 %	0.315 %	PASS, 8.96 % of 6306 µA/A
20 mA AC @ 50 Hz	0.01999414	0.0138 %	0.0199357364	0.0200642636	-0.0293 %	0.308 %	PASS, 4.76 % of 6156 µA/A
100 mA AC @ 50 Hz	0.0999866	0.0134 %	0.099671636	0.100328364	-0.0134 %	0.315 %	PASS, 2.13 % of 6306 µA/A
200 mA AC @ 50 Hz	0.2000294	0.0134 %	0.199358272	0.200641728	0.0147 %	0.307 %	PASS, 2.38 % of 6156 µA/A
1.0 AAC @ 50 Hz	0.9991277	0.0308 %	0.99604182	1.00395818	-0.0872 %	0.365 %	PASS, 11.91 % of 7326 µA/A
2.0 AAC @ 50 Hz	1.999187	0.0308 %	1.99223364	2.00776636	-0.0406 %	0.358 %	PASS, 5.66 % of 7177 µA/A
10 µAAC @ 60 Hz	1.00293E-05	0.0165 %	9.9633455e-06	1.00366545e-05	0.2930 %	0.350 %	PASS, 41.81 % of 7008 µA/A
50 µAAC @ 60 Hz	5.00453E-05	0.0165 %	4.98767275e-05	5.01232725e-05	0.0906 %	0.230 %	PASS, 19.64 % of 4612 µA/A
100 µAAC @ 60 Hz	9.99727E-05	0.0165 %	9.9768455e-05	0.000100231545	-0.0273 %	0.215 %	PASS, 6.33 % of 4313 µA/A
200 µAAC @ 60 Hz	0.000199895	0.0165 %	0.00019955191	0.00020044809	-0.0525 %	0.208 %	PASS, 12.61 % of 4163 µA/A
1.0 mA AC @ 60 Hz	0.0009994807	0.0138 %	0.00099821182	0.00100178818	-0.0519 %	0.165 %	PASS, 15.68 % of 3312 µA/A
2.0 mA AC @ 60 Hz	0.001999513	0.0138 %	0.00199657364	0.00200342636	-0.0243 %	0.157 %	PASS, 7.70 % of 3162 µA/A
10 mA AC @ 60 Hz	0.009995219	0.0138 %	0.0099821182	0.0100178818	-0.0478 %	0.165 %	PASS, 14.44 % of 3312 µA/A
20 mA AC @ 60 Hz	0.01999583	0.0138 %	0.0199657364	0.0200342636	-0.0209 %	0.158 %	PASS, 6.60 % of 3162 µA/A
100 mA AC @ 60 Hz	0.09999517	0.0134 %	0.099821636	0.100178364	-0.0048 %	0.165 %	PASS, 1.46 % of 3311 µA/A
200 mA AC @ 60 Hz	0.200046	0.0134 %	0.199658272	0.200341728	0.0230 %	0.157 %	PASS, 7.28 % of 3161 µA/A
1.0 AAC @ 60 Hz	0.9992033	0.0308 %	0.99754182	1.00245818	-0.0797 %	0.215 %	PASS, 18.34 % of 4344 µA/A
2.0 AAC @ 60 Hz	1.999373	0.0308 %	1.99523364	2.00476636	-0.0314 %	0.208 %	PASS, 7.47 % of 4196 µA/A
10 µAAC @ 1.0 kHz	1.0036E-05	0.0165 %	9.9333455e-06	1.00666545e-05	0.3600 %	0.650 %	PASS, 27.68 % of 13004 µA/A
50 µAAC @ 1.0 kHz	5.00361E-05	0.0165 %	4.97267275e-05	5.02732725e-05	0.0722 %	0.530 %	PASS, 6.81 % of 10605 µA/A
100 µAAC @ 1.0 kHz	9.99949E-05	0.0165 %	9.9468455e-05	0.000100531545	-0.0051 %	0.515 %	PASS, 0.49 % of 10305 µA/A
200 µAAC @ 1.0 kHz	0.0001999187	0.0165 %	0.00019895191	0.00020104809	-0.0407 %	0.507 %	PASS, 4.00 % of 10155 µA/A
1.0 mA AC @ 1.0 kHz	0.0009996777	0.0138 %	0.00099851182	0.00100148818	-0.0322 %	0.135 %	PASS, 11.87 % of 2714 µA/A
2.0 mA AC @ 1.0 kHz	0.001999929	0.0138 %	0.00199717364	0.00200282636	-0.0036 %	0.127 %	PASS, 1.39 % of 2565 µA/A
10 mA AC @ 1.0 kHz	0.009997719	0.0138 %	0.0099851182	0.0100148818	-0.0228 %	0.135 %	PASS, 8.40 % of 2714 µA/A
20 mA AC @ 1.0 kHz	0.02000107	0.0138 %	0.0199717364	0.0200282636	0.0054 %	0.128 %	PASS, 2.09 % of 2565 µA/A
100 mA AC @ 1.0 kHz	0.1000208	0.0134 %	0.099821636	0.100178364	0.0208 %	0.165 %	PASS, 6.29 % of 3311 µA/A
200 mA AC @ 1.0 kHz	0.2000985	0.0134 %	0.199658272	0.200341728	0.0493 %	0.157 %	PASS, 15.59 % of 3161 µA/A
1.0 AAC @ 1.0 kHz	0.9994571	0.0308 %	0.99504182	1.00495818	-0.0543 %	0.465 %	PASS, 5.82 % of 9320 µA/A
2.0 AAC @ 1.0 kHz	1.999842	0.0308 %	1.99023364	2.00976636	-0.0079 %	0.457 %	PASS, 0.86 % of 9171 µA/A
10 µAAC @ 10.0 kHz	9.9862E-06	0.1400 %	9.936e-06	1.0064e-05	-0.1380 %	0.500 %	PASS, 13.29 % of 10385 µA/A
50 µAAC @ 10.0 kHz	5.00615E-05	0.1400 %	4.974e-05	5.026e-05	0.1230 %	0.380 %	PASS, 15.19 % of 8099 µA/A
100 µAAC @ 10.0 kHz	0.0001000518	0.1400 %	9.9495e-05	0.000100505	0.0518 %	0.365 %	PASS, 6.63 % of 7819 µA/A
200 µAAC @ 10.0 kHz	0.0002000287	0.1400 %	0.000199005	0.000200995	0.0144 %	0.357 %	PASS, 1.87 % of 7679 µA/A
1.0 mA AC @ 10.0 kHz	0.0009999497	0.1400 %	0.00099595	0.00100405	-0.0050 %	0.265 %	PASS, 0.84 % of 5994 µA/A
2.0 mA AC @ 10.0 kHz	0.002000234	0.1400 %	0.00199205	0.00200795	0.0117 %	0.257 %	PASS, 2.00 % of 5862 µA/A
10 mA AC @ 10.0 kHz	0.009998858	0.1300 %	0.0099605	0.0100395	-0.0114 %	0.265 %	PASS, 1.93 % of 5903 µA/A
20 mA AC @ 10.0 kHz	0.0200009	0.1300 %	0.0199225	0.0200775	0.0045 %	0.258 %	PASS, 0.78 % of 5769 µA/A
100 mA AC @ 10.0 kHz	0.100069	0.1100 %	0.099375	0.100625	0.0690 %	0.515 %	PASS, 6.55 % of 10532 µA/A
200 mA AC @ 10.0 kHz	0.2001686	0.1100 %	0.198765	0.201235	0.0843 %	0.507 %	PASS, 8.12 % of 10386 µA/A

1.0 AAC @ 10.0 kHz	0.9971978	0.6100 %	0.97875	1.02125	-0.2802 %	1.515 %	PASS , 8.58 % of 32664 μ A/A
2.0 AAC @ 10.0 kHz	1.991844	0.6100 %	1.95765	2.04235	-0.4078 %	1.507 %	PASS , 12.54 % of 32525 μ A/A

Test date	29 August 2024 21:17
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Lab temperature maintained +23°C \pm 2°C

Note 1: High voltages (>100V) data was captured after initial 5 minute warm-up for DMM divider

Note 2: High current (>100mA) data was captured after initial 10 minute warm-up for DMM shunts

This is NOT an accredited calibration, data is presented for evaluation reference only