Keysight 3458A RoHS;

Manufacturer	HEWLETT-PACKARD	Calibration date	February 27 2021
Model Number	3458A	Ambient Temperature	23.66 °C
Serial	GPIB15	Relative Humidity	21.67 %
ID Number	Calibration	Pressure	1002.62
Notes	Test after calibration adjustment	Test type	Front cable terminals, Fluke cables

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

MFC last calibrated	82.0 days ago	MFC since DCV ZERO	1.0 days ago
MFC since WBFLAT	12115.0 days ago	MFC since WBGAIN	5272.0 days ago
MFC Confidence level	**24h 95% REL**	MFC Calibrate date	2020-11-12 00:00:00
MFC Calibrate date Zero	2021-02-03 00:00:00	Calibrate date WB Flatness	1988-10-01 00:00:00
Calibrate date WB Gain	Debug	CAL CONST 6.5V reference voltage	6.91958652037
CAL CONST 13V reference voltage	13.8237896968	CAL CONST 22V range positive zero	398.17439
CAL CONST 22V range negative zero	398.17389	CAL CONST DAC Linearity	0.316817603263
CAL CONST 10KOHM true output resistance	9999.90145091	CAL CONST 10KOHM standard resistance	9998.84909801
CAL CONST, Zero calibration temperature	23.0	CAL CONST, All calibration temp	23.0

Total uncertainty of each calibration point calculated with RSS

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

Meter Info	HP3458A	Last calibration date	7/24/2018
CALSTR?	"PASS 55 MY59350898"	Test date	27 February 2021 20:24
DUT Internal TEMP?	32.3	DUT Calibrations number?	1
Self-test result?	0,"NO ERROR"	ACAL ALL result?	0,"NO ERROR"
Firmware	9,2	Options	1,0
CAL? 72	0.987399038	CAL? 1,1	39987.7394
CAL? 2,1	7.10805565	CAL? Res 73	0.987223093
CAL 0 TEMP	34.43	CAL 10V TEMP	34.07
CAL 10KOhm TEMP	34.07	CAL? DCI	0.987776402

Service information

CAL DUMP
[(1, 39987.7394), (1, 7.10805565), (1, -8.05442224e-06), (1, -8.70201558e-06), (1, -8.17233483e-06), (1, -8.68331478e-06), (1, -8.48009002e-06), (1, -8.78136189e-06), (1, -9.08494007e-05), (1, -9.08494007e-05), (1, -0.000100450916), (1, -0.000100450916), (1, 0.614482485), (1, 0.607038657), (1, 0.606916964), (1, 0.531078636), (1, 0.438733195), (1, -1.12353357), (1, -16.8552701), (1, -16.6756402), (1, -16.6756402), (1, 0.612721195), (1, 0.604868904), (1, 0.604769897), (1, 0.524794465), (1, 0.433165591), (1, -1.14750228), (1, -17.6037279), (1, -17.6636045), (1, -17.6636045), (1, 0.00012715708), (1, 0.00114920893), (1, 0.00104546447), (1, 0.0117824261), (1, 0.0185586806), (1, 0.137820118), (1, 2.12562021), (1, 2.24537346), (1, 2.24537346), (1, 0.000108184284), (1, 0.00108278954), (1, 0.00101037053), (1, 0.00891456504), (1, 0.0150564779), (1, 0.170777102), (1, 1.70648383), (1, 1.43703901), (1, 1.43703901), (1, 616.0), (1, 60.0), (1, 6.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 34.4256104), (1, 34.0662667), (1, 34.0742283), (1, 126.0), (1, -1.7986373e-11), (1, -3.47644246e-11), (1, -1.70163471e-10), (1, -1.12909185e-09), (1, -8.04401045e-09), (1, -7.9635611e-08), (1, -6.77498506e-07), (1, -6.96413875e-06), (1, 0.98694245), (1, 0.987438658), (1, 0.987399038), (1, 0.987223093), (1, 0.987183482), (1, 0.998014225), (1, 0.997758881), (1, 0.998260528), (1, 1.00001968), (1, 0.999620915), (1, 1.00054059), (1, 0.999786456), (1, 0.999786456), (1, 0.999786456), (1, 0.998014226), (1, 0.997758892), (1, 0.998260538), (1, 1.00001971), (1, 0.999621127), (1, 1.00054059), (1, 0.999786456), (1, 0.999786456), (1, 0.999786456), (1, 0.987776402), (1, 0.987264911), (1, 0.986894573), (1, 0.986758663), (1, 0.986326067), (1, 0.984334987), (1, 0.97968626), (1, 0.986980008), (1, 46.0), (1, 53.0), (1, 4.93706731), (1, 1.03925344e-11), (1, -7.38715937e-12), (1, 10003845.6), (1, 0.00400072036), (1, -0.00454960908), (1, 0.999999599), (1, 1.00000003), (1, 1666.99702), (1, 16666.991), (1, 5115.0), (1, 5113.0), (1, 5113.0), (1, 5114.0), (1, 5114.0), (1, 61380.0), (1, 61356.0), (1, 61356.0), (1, 61368.0), (1, 61368.0), (1, 5019.0), (1, 5020.0), (1, 5017.0), (1, 5009.0), (1, 2505.0), (1, 2503.0), (1, 2505.0), (1, 12525.0), (1, 22774.0), (1, 60228.0), (1, 60240.0), (1, 60204.0), (1, 60108.0), (1, 30060.0), (1, 30036.0), (1, 30060.0), (1, 150300.0), (1, 273288.0), (1, 5019.0), (1, 5020.0), (1, 5017.0), (1, 5009.0), (1, 2505.0), (1, 2503.0), (1, 2505.0), (1, 12525.0), (1, 22774.0), (1, 60228.0), (1, 60240.0), (1, 60204.0), (1, 60108.0), (1, 30060.0), (1, 30036.0), (1, 30060.0), (1, 150300.0), (1, 273288.0), (1, 278.0), (1, 278.0), (1, 278.0), (1, 278.0), (1, 278.0), (1, 278.0), (1, 278.0), (1, 278.0), (1, 3336.0), (1, 3336.0), (1, 3336.0), (1, 3336.0), (1, 3336.0), (1, 3336.0), (1, 3336.0), (1, 32.2945245), (1, 32.4922574), (1, 32.474309), (1, 125.0), (1, 125.0), (1, 123.0), (1, 123.0), (1, 125.0), (1, 126.0), (1, 123.0), (1, 123.0), (1, 123.0), (1, 123.0), (1, 125.0), (1, 126.0), (1, 128.0), (1, 128.0), (1, 128.0), (1, 128.0), (1, 128.0), (1, 2406.0), (1, 2435.0), (1, 1068.0), (1, 1711.0), (1, 1876.0), (1, 1881.0), (1, 126.0), (1, 127.0), (1, 127.0), (1, 127.0), (1, 122.0), (1, 126.0), (1, 127.0), (1, 126.0), (1, 127.0), (1, -0.001066822), (1, -0.0109592577), (1, -0.114821498), (1, -1.14856716), (1, -11.229512), (1, -116.033691), (1, -0.00123074975), (1, -0.0111755365), (1, -0.116222401), (1, -1.15191512), (1, -11.2704324), (1, -115.928977), (1, 1.00592941), (1, 1.01178675), (1, 1.06319512), (1, 1.05655561), (1, 1.04701528), (1, 1.04725631), (1, 13169.3332), (1, 10.3643445), (1, 0.991802206), (1, 0.997659673), (1, 1.04835026), (1, 1.04180345), (1, 1.03239633), (1, 1.03263399), (1, 3.89363334e-07), (1, 4.01035757e-06), (1, 4.01035757e-05), (1, 0.000401035757), (1, 0.00401035757), (1, 0.0401035757), (1, 1.02485222), (1, 0.999866474), (1, 1.00011476), (1, 1.00004015), (1, 54.0), (1, 51.0), (1, 51.0), (1, 51.0), (1, 42.0), (1, 49.0), (1, 49.0), (1, 9.0)]
Reference
Post Performance check
DUT Condition
calkit-5720by1

Test procedure : $Id: hp3458a.py | Rev 2118 | 2021/02/27 17:24:30 Vadim $

Source procedure : $Id: f5720a.py | Rev 2118 | 2021/02/27 17:24:30 Vadim $

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	0.0000000E+00	**-2.96 µV**	0.75 µV	-0.910 µV	0.910 µV	N/A	0.16 µV	FAIL
Short 0.0 VDC	0.0000000E+00	**-2.73 µV**	0.75 µV	-0.900 µV	0.900 µV	N/A	0.15 µV	FAIL
Short 00.0 VDC	0.0000000E+00	**-2.89 µV**	0.75 µV	-1.070 µV	1.070 µV	N/A	0.32 µV	FAIL
Short 000.0 VDC	0.0000000E+00	**12.03 µV**	0.75 µV	-14.750 µV	14.750 µV	N/A	14.00 µV	PASS
Short 0000.0 VDC	0.0000000E+00	**-20.53 µV**	0.75 µV	-41.750 µV	41.750 µV	N/A	41.00 µV	PASS
DCV Test	**0.1V-1000V**	**DUT**	**Source unc.**	**Low Limit**	**Hi limit**	**Measured**	**24h spec**	**Result**
0.019 VDC (0.10 Range)	0.0190000	**0.019000109**	7.27 ppm	0.018999514	0.019000486	5.762 ppm	18.29 ppm	PASS 29.27 %
0.1 VDC (0.10 Range)	0.1000000	**0.10000041**	7.27 ppm	0.099998723	0.10000128	4.064 ppm	5.50 ppm	PASS 44.59 %
0.11 VDC (0.10 Range)	0.1100000	**0.11000046**	7.27 ppm	0.10999863	0.11000137	4.198 ppm	5.23 ppm	PASS 46.88 %
-0.019 VDC (0.10 Range)	-0.0190000	**-0.018999931**	7.27 ppm	-0.019000486	-0.018999514	-3.618 ppm	18.29 ppm	PASS 18.38 %
-0.1 VDC (0.10 Range)	-0.1000000	**-0.10000025**	7.27 ppm	-0.10000128	-0.099998723	2.479 ppm	5.50 ppm	PASS 27.20 %
-0.11 VDC (0.10 Range)	-0.1100000	**-0.11000042**	7.27 ppm	-0.11000137	-0.10999863	3.810 ppm	5.23 ppm	PASS 42.55 %
0.19 VDC (1.00 Range)	0.1900000	**0.19000053**	7.27 ppm	0.18999803	0.19000197	2.788 ppm	3.08 ppm	PASS 35.31 %
1.0 VDC (1.00 Range)	1.0000000	**1.0000018**	3.86 ppm	0.99999434	1.0000057	1.773 ppm	1.80 ppm	PASS 41.63 %
1.1 VDC (1.00 Range)	1.1000000	**1.1000018**	3.86 ppm	1.0999938	1.1000062	1.678 ppm	1.77 ppm	PASS 39.51 %
-0.19 VDC (1.00 Range)	-0.1900000	**-0.19000078**	7.27 ppm	-0.19000197	-0.18999803	4.093 ppm	3.08 ppm	PASS 51.85 %
-1.0 VDC (1.00 Range)	-1.0000000	**-1.0000012**	3.86 ppm	-1.0000057	-0.99999434	1.151 ppm	1.80 ppm	PASS 27.02 %
-1.1 VDC (1.00 Range)	-1.1000000	**-1.1000012**	3.86 ppm	-1.1000062	-1.0999938	1.095 ppm	1.77 ppm	PASS 25.77 %
1.9 VDC (10.00 Range)	1.9000000	**1.9000042**	3.86 ppm	1.8999912	1.9000088	2.216 ppm	0.76 ppm	PASS 56.31 %
10.0 VDC (10.00 Range)	10.0000000	**10.000025**	2.77 ppm	9.9999668	10.000033	2.492 ppm	0.55 ppm	PASS 88.24 %
11.0 VDC (10.00 Range)	11.0000000	**11.00003**	2.73 ppm	10.999964	11.000036	2.710 ppm	0.55 ppm	PASS 97.34 %
-1.9 VDC (10.00 Range)	-1.9000000	**-1.9000022**	3.86 ppm	-1.9000088	-1.8999912	1.171 ppm	0.76 ppm	PASS 29.75 %
-10.0 VDC (10.00 Range)	-10.0000000	**-10.000017**	2.77 ppm	-10.000033	-9.9999668	1.695 ppm	0.55 ppm	PASS 60.02 %
-11.0 VDC (10.00 Range)	-11.0000000	**-11.000018**	2.73 ppm	-11.000036	-10.999964	1.662 ppm	0.55 ppm	PASS 59.69 %
19 VDC (100.00 Range)	19.0000000	**19.000068**	2.77 ppm	18.99987	19.00013	3.582 ppm	4.08 ppm	PASS 72.65 %
100 VDC (100.00 Range)	100.0000000	**100.00028**	3.73 ppm	99.999347	100.00065	2.841 ppm	2.80 ppm	PASS 60.90 %
110 VDC (100.00 Range)	110.0000000	**110.00029**	3.73 ppm	109.99928	110.00072	2.672 ppm	2.77 ppm	PASS 57.50 %
-19 VDC (100.00 Range)	-19.0000000	**-19.000048**	2.77 ppm	-19.00013	-18.99987	2.502 ppm	4.08 ppm	PASS 50.74 %
-100 VDC (100.00 Range)	-100.0000000	**-100.00032**	3.73 ppm	-100.00065	-99.999347	3.181 ppm	2.80 ppm	PASS 68.20 %
-110 VDC (100.00 Range)	-110.0000000	**-110.00034**	3.73 ppm	-110.00072	-109.99928	3.077 ppm	2.77 ppm	PASS 66.20 %
190 VDC (1000.00 Range)	190.0000000	**190.00037**	3.73 ppm	189.99872	190.00128	1.954 ppm	3.03 ppm	PASS 40.67 %
500 VDC (1000.00 Range)	500.0000000	**500.00233**	3.73 ppm	499.99678	500.00322	4.669 ppm	2.70 ppm	FAIL 125.19 %
1000 VDC (1000.00 Range)	1000.0000000	**1000.0026**	5.45 ppm	999.97995	1000.02	2.588 ppm	2.60 ppm	PASS 19.64 %
-190 VDC (1000.00 Range)	-190.0000000	**-190.00045**	3.73 ppm	-190.00128	-189.99872	2.378 ppm	3.03 ppm	PASS 49.52 %
-500 VDC (1000.00 Range)	-500.0000000	**-500.00237**	3.73 ppm	-500.00322	-499.99678	4.734 ppm	2.70 ppm	PASS 37.67 %
-1000 VDC (1000.00 Range)	-1000.0000000	**-1000.0011**	5.45 ppm	-1000.02	-999.97995	1.084 ppm	2.60 ppm	PASS 8.22 %

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 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	1.0000348 Ω	**1.00002042 Ω**	32.0 ppm	9.9996780E-01	1.0001018E+00	-14.377 ppm	35.00 ppm	PASS, 30.32 % of 47.42 ppm
1.9 Ω	1.8996171 Ω	**1.89955084 Ω**	25.0 ppm	1.8995301E+00	1.8997041E+00	-34.879 ppm	20.79 ppm	FAIL, 109.84 % of 31.75 ppm
10 Ω	9.999498 Ω	**9.99946209 Ω**	5.0 ppm	9.9993680E+00	9.9996280E+00	-3.591 ppm	8.00 ppm	PASS, 40.15 % of 8.94 ppm
19 Ω	19.000009 Ω	**18.9999304 Ω**	4.0 ppm	1.8999576E+01	1.9000442E+01	-4.139 ppm	18.79 ppm	PASS, 21.55 % of 19.21 ppm
100 Ω	99.99752 Ω	**99.9974189 Ω**	1.7 ppm	9.9996750E+01	9.9998290E+01	-1.011 ppm	6.00 ppm	PASS, 16.21 % of 6.24 ppm
190 Ω	190.00121 Ω	**190.001021 Ω**	1.7 ppm	1.9000031E+02	1.9000211E+02	-0.994 ppm	3.05 ppm	PASS, 28.45 % of 3.49 ppm
1.0 kΩ	1000.02 Ω	**1000.01926 Ω**	1.7 ppm	1.0000161E+03	1.0000239E+03	-0.738 ppm	2.20 ppm	PASS, 26.56 % of 2.78 ppm
1.9 kΩ	1900.0326 Ω	**1900.03175 Ω**	1.7 ppm	1.9000236E+03	1.9000416E+03	-0.449 ppm	3.05 ppm	PASS, 12.86 % of 3.49 ppm
10 kΩ	9999.904 Ω	**9999.88587 Ω**	1.6 ppm	9.9998660E+03	9.9999420E+03	-1.813 ppm	2.20 ppm	PASS, 66.64 % of 2.72 ppm
19 kΩ	19000.279 Ω	**19000.2443 Ω**	1.7 ppm	1.9000189E+04	1.9000369E+04	-1.827 ppm	3.05 ppm	PASS, 52.30 % of 3.49 ppm
100 kΩ	99998.73	**99998.468**	2.00 ppm	9.9998310E+04	9.9999150E+04	-2.618 ppm	2.2 ppm	PASS, 88.04 % of 2.97 ppm
190 kΩ	189999.75 Ω	**189999.212 Ω**	2.0 ppm	1.8999647E+05	1.9000303E+05	-2.834 ppm	15.26 ppm	PASS, 18.41 % of 15.39 ppm
1.0 MΩ	999969.9 Ω	**999967.303 Ω**	2.5 ppm	9.9995640E+05	9.9998340E+05	-2.597 ppm	11.00 ppm	PASS, 23.02 % of 11.28 ppm
1.9 MΩ	1900006.6 Ω	**1900009.94 Ω**	3.0 ppm	1.8998559E+06	1.9001573E+06	1.756 ppm	76.32 ppm	PASS, 2.30 % of 76.34 ppm
10 MΩ	9998753 Ω	**9998687.93 Ω**	10.0 ppm	9.9981031E+06	9.9994029E+06	-6.508 ppm	55.00 ppm	PASS, 11.64 % of 55.90 ppm
19 MΩ	18999462 Ω	**18999262.4 Ω**	20.0 ppm	1.8988582E+07	1.9010342E+07	-10.508 ppm	552.63 ppm	PASS, 1.90 % of 552.99 ppm
100 MΩ	99996980 Ω	**99983719.8 Ω**	50.0 ppm	9.9940982E+07	1.0005298E+08	-132.606 ppm	510.00 ppm	PASS, 25.88 % of 512.45 ppm

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. 1GΩ resistance range is tested using the external standard, as MFC unable to provide this range value.

OHM ZERO 4W	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
10 ΩRange	**-0.0000028 Ω**	5.000e-05 Ω	-5e-05	5e-05	N/A	8.0000e-06 Ω	PASS
100 ΩRange	**0.0000099 Ω**	5.500e-04 Ω	-0.00055	0.00055	N/A	2.2000e-06 Ω	PASS
1.0 kΩRange	**-0.0000209 Ω**	5.500e-03 Ω	-0.0055	0.0055	N/A	2.2000e-06 Ω	PASS
10 kΩRange	**-0.0002845 Ω**	5.500e-02 Ω	-0.055	0.055	N/A	2.2000e-06 Ω	PASS
100 kΩRange	**0.0008980 Ω**	5.500e-01 Ω	-0.55	0.55	N/A	2.2000e-06 Ω	PASS
1.0 MΩRange	**0.0029961 Ω**	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-06 Ω	PASS
10 MΩRange	**-1.0478410 Ω**	5.500e+01 Ω	-55	55	N/A	2.2000e-06 Ω	PASS
100 MΩRange	**-1.3771622 Ω**	5.500e+02 Ω	-550	550	N/A	2.2000e-06 Ω	PASS
1 GΩRange	**-1.4071005 Ω**	5.500e+03 Ω	-5500	5500	N/A	2.2000e-06 Ω	PASS
OHM ZERO 2W	**DUT**	**Source unc.**	**Low Limit**	**Hi limit**	**Measured**	**24h spec**	**Result**
10 ΩRange	**0.2348976 Ω**	3.000e-01 Ω	-0.3	0.3	N/A	8.0000e-06 Ω	PASS
100 ΩRange	**0.2421442 Ω**	3.500e-01 Ω	-0.35	0.35	N/A	2.2000e-06 Ω	PASS
1.0 kΩRange	**0.2420616 Ω**	4.000e-01 Ω	-0.4	0.4	N/A	2.2000e-06 Ω	PASS
10 kΩRange	**0.3175702 Ω**	4.000e-01 Ω	-0.4	0.4	N/A	2.2000e-06 Ω	PASS
100 kΩRange	**0.4046994 Ω**	5.500e-01 Ω	-0.55	0.55	N/A	2.2000e-06 Ω	PASS
1.0 MΩRange	**0.0898828 Ω**	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-06 Ω	PASS
10 MΩRange	**-1.2274704 Ω**	5.500e+01 Ω	-55	55	N/A	2.2000e-06 Ω	PASS
100 MΩRange	**-1.2274702 Ω**	5.500e+02 Ω	-550	550	N/A	2.2000e-06 Ω	PASS
1 GΩRange	**-1.5867298 Ω**	5.500e+03 Ω	-5500	5500	N/A	2.2000e-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
0.01 V AC+DC @ 10 Hz	**0.010003139**	0.0312 %	0.009991	0.010009	0.0314 %	0.0600 %	PASS 46.41 %
0.01 V AC+DC @ 20 Hz	**0.010002272**	0.0312 %	0.009991	0.010009	0.0227 %	0.0600 %	PASS 33.59 %
0.01 V AC+DC @ 40 Hz	**0.010002589**	0.0312 %	0.009991	0.010009	0.0259 %	0.0600 %	PASS 38.27 %
0.01 V AC+DC @ 100 Hz	**0.010001059**	0.0312 %	0.009994	0.010006	0.0106 %	0.0310 %	PASS 24.06 %
0.01 V AC+DC @ 1.0 kHz	**0.010002332**	0.0312 %	0.009994	0.010006	0.0233 %	0.0310 %	PASS 53.01 %
0.01 V AC+DC @ 10.0 kHz	**0.0099989855**	0.0312 %	0.009993	0.010007	-0.0101 %	0.0410 %	PASS 19.68 %
0.01 V AC+DC @ 20.0 kHz	**0.010001232**	0.0312 %	0.009993	0.010007	0.0123 %	0.0410 %	PASS 23.90 %
0.01 V AC+DC @ 50.0 kHz	**0.010000528**	0.0447 %	0.009984	0.010016	0.0053 %	0.1110 %	PASS 4.41 %
0.01 V AC+DC @ 100.0 kHz	**0.0099918395**	0.0773 %	0.009941	0.010059	-0.0816 %	0.5110 %	PASS 15.79 %
0.01 V AC+DC @ 300.0 kHz	**0.0098863765**	0.1500 %	0.009943	0.010057	-1.1362 %	0.4200 %	FAIL 254.77 %
0.01 V AC+DC @ 500.0 kHz	**0.009720297**	0.2500 %	0.009925	0.010075	-2.7970 %	0.5000 %	FAIL 500.35 %
0.01 V AC+DC @ 1.0 MHz	**0.0087661764**	0.4000 %	0.009910	0.010090	-12.3382 %	0.5000 %	FAIL 1926.91 %
0.03 V AC+DC @ 10 Hz	**0.030003233**	0.0121 %	0.029990	0.030010	0.0108 %	0.0203 %	PASS 45.51 %
0.03 V AC+DC @ 20 Hz	**0.030002726**	0.0121 %	0.029990	0.030010	0.0091 %	0.0203 %	PASS 38.37 %
0.03 V AC+DC @ 40 Hz	**0.03000206**	0.0121 %	0.029990	0.030010	0.0069 %	0.0203 %	PASS 29.00 %
0.03 V AC+DC @ 100 Hz	**0.03000362**	0.0121 %	0.029992	0.030008	0.0121 %	0.0137 %	PASS 66.02 %
0.03 V AC+DC @ 1.0 kHz	**0.030002287**	0.0121 %	0.029992	0.030008	0.0076 %	0.0137 %	PASS 41.72 %
0.03 V AC+DC @ 10.0 kHz	**0.029999749**	0.0121 %	0.029990	0.030010	-0.0008 %	0.0207 %	PASS 3.49 %
0.03 V AC+DC @ 20.0 kHz	**0.030001879**	0.0121 %	0.029990	0.030010	0.0063 %	0.0207 %	PASS 26.14 %
0.03 V AC+DC @ 50.0 kHz	**0.030003711**	0.0256 %	0.029981	0.030019	0.0124 %	0.0367 %	PASS 27.65 %
0.03 V AC+DC @ 100.0 kHz	**0.030006029**	0.0591 %	0.029956	0.030044	0.0201 %	0.0867 %	PASS 19.16 %
0.03 V AC+DC @ 300.0 kHz	**0.03001715**	0.0964 %	0.029871	0.030129	0.0572 %	0.3333 %	PASS 16.48 %
0.03 V AC+DC @ 500.0 kHz	**0.030042878**	0.1500 %	0.029645	0.030355	0.1429 %	1.0333 %	PASS 13.69 %
0.03 V AC+DC @ 1.0 MHz	**0.029996825**	0.3000 %	0.029600	0.030400	-0.0106 %	1.0333 %	PASS 0.98 %
0.1 V AC+DC @ 10 Hz	**0.099996523**	0.0121 %	0.099977	0.100023	-0.0035 %	0.0110 %	PASS 21.23 %
0.1 V AC+DC @ 20 Hz	**0.09999279**	0.0121 %	0.099977	0.100023	-0.0072 %	0.0110 %	PASS 44.02 %
0.1 V AC+DC @ 40 Hz	**0.099991615**	0.0121 %	0.099977	0.100023	-0.0084 %	0.0110 %	PASS 51.20 %
0.1 V AC+DC @ 100 Hz	**0.099991123**	0.0121 %	0.099979	0.100021	-0.0089 %	0.0090 %	PASS 58.75 %
0.1 V AC+DC @ 1.0 kHz	**0.099993246**	0.0121 %	0.099979	0.100021	-0.0068 %	0.0090 %	PASS 44.70 %
0.1 V AC+DC @ 10.0 kHz	**0.099989615**	0.0121 %	0.099972	0.100028	-0.0104 %	0.0160 %	PASS 51.71 %
0.1 V AC+DC @ 20.0 kHz	**0.09998919**	0.0121 %	0.099972	0.100028	-0.0108 %	0.0160 %	PASS 53.83 %
0.1 V AC+DC @ 50.0 kHz	**0.099992899**	0.0256 %	0.099942	0.100058	-0.0071 %	0.0320 %	PASS 17.32 %
0.1 V AC+DC @ 100.0 kHz	**0.099996768**	0.0591 %	0.099859	0.100141	-0.0032 %	0.0820 %	PASS 3.20 %
0.1 V AC+DC @ 300.0 kHz	**0.10004897**	0.0964 %	0.099594	0.100406	0.0490 %	0.3100 %	PASS 15.09 %
0.1 V AC+DC @ 500.0 kHz	**0.10012974**	0.1500 %	0.098840	0.101160	0.1297 %	1.0100 %	PASS 12.71 %
0.1 V AC+DC @ 1.0 MHz	**0.10004415**	0.3000 %	0.098690	0.101310	0.0442 %	1.0100 %	PASS 4.19 %
0.3 V AC+DC @ 10 Hz	**0.29998827**	0.0050 %	0.299924	0.300076	-0.0039 %	0.0203 %	PASS 18.69 %
0.3 V AC+DC @ 20 Hz	**0.29998211**	0.0050 %	0.299924	0.300076	-0.0060 %	0.0203 %	PASS 28.50 %
0.3 V AC+DC @ 40 Hz	**0.29997883**	0.0050 %	0.299924	0.300076	-0.0071 %	0.0203 %	PASS 33.71 %
0.3 V AC+DC @ 100 Hz	**0.29997892**	0.0050 %	0.299944	0.300056	-0.0070 %	0.0137 %	PASS 48.33 %
0.3 V AC+DC @ 1.0 kHz	**0.2999833**	0.0050 %	0.299944	0.300056	-0.0056 %	0.0137 %	PASS 38.30 %
0.3 V AC+DC @ 10.0 kHz	**0.29997219**	0.0050 %	0.299923	0.300077	-0.0093 %	0.0207 %	PASS 43.63 %

0.3 V AC+DC @ 20.0 kHz	**0.29996999**	0.0050 %	0.299923	0.300077	-0.0100 %	0.0207 %	PASS 47.07 %
0.3 V AC+DC @ 50.0 kHz	**0.29998887**	0.0085 %	0.299864	0.300136	-0.0037 %	0.0367 %	PASS 9.85 %
0.3 V AC+DC @ 100.0 kHz	**0.3000468**	0.0138 %	0.299699	0.300301	0.0156 %	0.0867 %	PASS 17.77 %
0.3 V AC+DC @ 300.0 kHz	**0.30045699**	0.0425 %	0.298872	0.301128	0.1523 %	0.3333 %	PASS 45.33 %
0.3 V AC+DC @ 500.0 kHz	**0.30108406**	0.1100 %	0.296570	0.303430	0.3614 %	1.0333 %	PASS 34.77 %
0.3 V AC+DC @ 1.0 MHz	**0.30272044**	0.1800 %	0.296360	0.303640	0.9068 %	1.0333 %	PASS 86.45 %
1.0 V AC+DC @ 10 Hz	**0.99998451**	0.0050 %	0.999840	1.000160	-0.0015 %	0.0110 %	PASS 12.84 %
1.0 V AC+DC @ 20 Hz	**0.99995353**	0.0050 %	0.999840	1.000160	-0.0046 %	0.0110 %	PASS 38.52 %
1.0 V AC+DC @ 40 Hz	**0.9999459**	0.0050 %	0.999840	1.000160	-0.0054 %	0.0110 %	PASS 44.84 %
1.0 V AC+DC @ 100 Hz	**0.99994279**	0.0050 %	0.999860	1.000140	-0.0057 %	0.0090 %	PASS 55.68 %
1.0 V AC+DC @ 1.0 kHz	**0.99995602**	0.0050 %	0.999860	1.000140	-0.0044 %	0.0090 %	PASS 42.81 %
1.0 V AC+DC @ 10.0 kHz	**0.99991245**	0.0050 %	0.999790	1.000210	-0.0088 %	0.0160 %	PASS 52.27 %
1.0 V AC+DC @ 20.0 kHz	**0.99989976**	0.0050 %	0.999790	1.000210	-0.0100 %	0.0160 %	PASS 59.85 %
1.0 V AC+DC @ 50.0 kHz	**0.99995292**	0.0085 %	0.999595	1.000405	-0.0047 %	0.0320 %	PASS 14.22 %
1.0 V AC+DC @ 100.0 kHz	**1.0001069**	0.0138 %	0.999042	1.000958	0.0107 %	0.0820 %	PASS 12.86 %
1.0 V AC+DC @ 300.0 kHz	**1.0015277**	0.0425 %	0.996475	1.003525	0.1528 %	0.3100 %	PASS 48.82 %
1.0 V AC+DC @ 500.0 kHz	**1.0035985**	0.1100 %	0.988800	1.011200	0.3598 %	1.0100 %	PASS 35.42 %
1.0 V AC+DC @ 1.0 MHz	**1.0092533**	0.1800 %	0.988100	1.011900	0.9253 %	1.0100 %	PASS 90.20 %
3.0 V AC+DC @ 10 Hz	**2.9999564**	0.0048 %	2.999245	3.000755	-0.0015 %	0.0203 %	PASS 6.95 %
3.0 V AC+DC @ 20 Hz	**2.9998603**	0.0048 %	2.999245	3.000755	-0.0047 %	0.0203 %	PASS 22.28 %
3.0 V AC+DC @ 40 Hz	**2.9998486**	0.0048 %	2.999245	3.000755	-0.0050 %	0.0203 %	PASS 24.15 %
3.0 V AC+DC @ 100 Hz	**2.9997946**	0.0048 %	2.999445	3.000555	-0.0068 %	0.0137 %	PASS 47.25 %
3.0 V AC+DC @ 1.0 kHz	**2.9998607**	0.0048 %	2.999445	3.000555	-0.0046 %	0.0137 %	PASS 32.04 %
3.0 V AC+DC @ 10.0 kHz	**2.9997332**	0.0048 %	2.999235	3.000765	-0.0089 %	0.0207 %	PASS 41.90 %
3.0 V AC+DC @ 20.0 kHz	**2.999582**	0.0048 %	2.999235	3.000765	-0.0139 %	0.0207 %	PASS 65.65 %
3.0 V AC+DC @ 50.0 kHz	**2.9992496**	0.0085 %	2.998644	3.001356	-0.0250 %	0.0367 %	PASS 66.44 %
3.0 V AC+DC @ 100.0 kHz	**2.9997986**	0.0121 %	2.997036	3.002964	-0.0067 %	0.0867 %	PASS 7.67 %
3.0 V AC+DC @ 300.0 kHz	**3.0004883**	0.0336 %	2.988991	3.011009	0.0163 %	0.3333 %	PASS 4.86 %
3.0 V AC+DC @ 500.0 kHz	**3.0060146**	0.1100 %	2.965700	3.034300	0.2005 %	1.0333 %	PASS 19.29 %
3.0 V AC+DC @ 1.0 MHz	**3.0268904**	0.1700 %	2.963900	3.036100	0.8963 %	1.0333 %	PASS 85.59 %
10.0 V AC+DC @ 10 Hz	**10.000068**	0.0048 %	9.998418	10.001582	0.0007 %	0.0110 %	PASS 5.64 %
10.0 V AC+DC @ 20 Hz	**9.9997567**	0.0048 %	9.998418	10.001582	-0.0024 %	0.0110 %	PASS 20.26 %
10.0 V AC+DC @ 40 Hz	**9.9996996**	0.0048 %	9.998418	10.001582	-0.0030 %	0.0110 %	PASS 25.01 %
10.0 V AC+DC @ 100 Hz	**9.9996916**	0.0048 %	9.998618	10.001382	-0.0031 %	0.0090 %	PASS 30.21 %
10.0 V AC+DC @ 1.0 kHz	**9.9997065**	0.0048 %	9.998618	10.001382	-0.0029 %	0.0090 %	PASS 28.76 %
10.0 V AC+DC @ 10.0 kHz	**9.9992531**	0.0048 %	9.997918	10.002082	-0.0075 %	0.0160 %	PASS 44.70 %
10.0 V AC+DC @ 20.0 kHz	**9.9987777**	0.0048 %	9.997918	10.002082	-0.0122 %	0.0160 %	PASS 73.15 %
10.0 V AC+DC @ 50.0 kHz	**9.9978372**	0.0085 %	9.995946	10.004054	-0.0216 %	0.0320 %	PASS 65.30 %
10.0 V AC+DC @ 100.0 kHz	**9.9991862**	0.0121 %	9.990586	10.009414	-0.0081 %	0.0820 %	PASS 9.82 %
10.0 V AC+DC @ 300.0 kHz	**10.001973**	0.0336 %	9.965636	10.034364	0.0197 %	0.3100 %	PASS 6.33 %
10.0 V AC+DC @ 500.0 kHz	**10.019723**	0.1100 %	9.888000	10.112000	0.1972 %	1.0100 %	PASS 19.41 %
10.0 V AC+DC @ 1.0 MHz	**10.09033**	0.1700 %	9.882000	10.118000	0.9033 %	1.0100 %	PASS 88.20 %
30 V AC+DC @ 10 Hz	**29.99835**	0.0060 %	29.988195	30.011805	-0.0055 %	0.0333 %	PASS 16.24 %
30 V AC+DC @ 20 Hz	**29.997494**	0.0060 %	29.988195	30.011805	-0.0084 %	0.0333 %	PASS 24.66 %
30 V AC+DC @ 40 Hz	**29.997268**	0.0060 %	29.988195	30.011805	-0.0091 %	0.0333 %	PASS 26.88 %
30 V AC+DC @ 100 Hz	**29.996969**	0.0060 %	29.990195	30.009805	-0.0101 %	0.0267 %	PASS 36.96 %
30 V AC+DC @ 1.0 kHz	**29.996516**	0.0060 %	29.990195	30.009805	-0.0116 %	0.0267 %	PASS 42.48 %

30 V AC+DC @ 10.0 kHz	**29.987462**	0.0060 %	29.990195	30.009805	-0.0418 %	0.0267 %	FAIL 152.88 %
30 V AC+DC @ 20.0 kHz	**29.976018**	0.0060 %	29.990195	30.009805	-0.0799 %	0.0267 %	FAIL 292.42 %
30 V AC+DC @ 50.0 kHz	**29.954665**	0.0060 %	29.985695	30.014305	-0.1511 %	0.0417 %	FAIL 358.96 %
30 V AC+DC @ 100.0 kHz	**29.973906**	0.0174 %	29.956791	30.043209	-0.0870 %	0.1267 %	PASS 68.03 %
30 V AC+DC @ 300.0 kHz	**29.917339**	0.0991 %	29.840273	30.159727	-0.2755 %	0.4333 %	PASS 61.99 %
30 V AC+DC @ 500.0 kHz	**29.983157**	0.5200 %	29.384000	30.616000	-0.0561 %	1.5333 %	PASS 3.47 %
100.0 V AC+DC @ 10 Hz	**99.997632**	0.0060 %	99.969982	100.030018	-0.0024 %	0.0240 %	PASS 9.57 %
100.0 V AC+DC @ 20 Hz	**99.99427**	0.0060 %	99.969982	100.030018	-0.0057 %	0.0240 %	PASS 23.16 %
100.0 V AC+DC @ 40 Hz	**99.993348**	0.0060 %	99.969982	100.030018	-0.0067 %	0.0240 %	PASS 26.88 %
100.0 V AC+DC @ 100 Hz	**99.992764**	0.0060 %	99.971982	100.028018	-0.0072 %	0.0220 %	PASS 31.73 %
100.0 V AC+DC @ 1.0 kHz	**99.992619**	0.0060 %	99.971982	100.028018	-0.0074 %	0.0220 %	PASS 32.36 %
100.0 V AC+DC @ 10.0 kHz	**99.977987**	0.0060 %	99.971982	100.028018	-0.0220 %	0.0220 %	PASS 96.51 %
100.0 V AC+DC @ 20.0 kHz	**99.962716**	0.0060 %	99.971982	100.028018	-0.0373 %	0.0220 %	FAIL 163.47 %
100.0 V AC+DC @ 50.0 kHz	**99.944959**	0.0095 %	99.953455	100.046545	-0.0550 %	0.0370 %	FAIL 144.04 %
100.0 V AC+DC @ 100.0 kHz	**99.947238**	0.0174 %	99.860636	100.139364	-0.0528 %	0.1220 %	PASS 42.82 %
300.0 V AC+DC @ 100 Hz	**299.97523**	0.0079 %	299.836408	300.163592	-0.0083 %	0.0467 %	PASS 17.45 %
300.0 V AC+DC @ 1.0 kHz	**299.97397**	0.0079 %	299.836408	300.163592	-0.0087 %	0.0467 %	PASS 18.33 %
750.0 V AC+DC @ 100 Hz	**750.05218**	0.0245 %	749.496498	750.503502	0.0070 %	0.0427 %	PASS 14.15 %
750.0 V AC+DC @ 1.0 kHz	**750.0641**	0.0660 %	749.185000	750.815000	0.0085 %	0.0427 %	PASS 10.87 %

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 µADC	0	**3.0367009E-11**						INFO
50 nADC	5E-08	**5.0018793E-08**						INFO
100 nADC	1E-07	**1.000476E-07**	71.82 ppm	9.995282E-08	1.000472E-07	476.030 ppm	400 ppm	FAIL 117.14 %
-100 nADC	-1E-07	**-9.998126E-08**	71.82 ppm	-1.000492E-07	-9.995082E-08	-187.396 ppm	420 ppm	PASS 43.98 %
-50 nADC	-5E-08	**-4.9937272E-08**						INFO
Zero µADC	0	**7.3723087E-11**						INFO
0.5 µADC	5E-07	**5.0003724E-07**	71.82 ppm	4.999201E-07	5.000799E-07	74.487 ppm	88 ppm	PASS 65.58 %
1.0 µADC	1E-06	**1.0000659E-06**	71.82 ppm	9.998792E-07	1.000121E-06	65.914 ppm	49 ppm	PASS 75.81 %
-1.0 µADC	-1E-06	**-9.9990034E-07**	71.82 ppm	-1.000123E-06	-9.998772E-07	-99.661 ppm	51 ppm	FAIL 113.14 %
-0.5 µADC	-5E-07	**-4.9996105E-07**	71.82 ppm	-5.000819E-07	-4.999181E-07	-77.907 ppm	92 ppm	PASS 66.75 %
Zero 00 µADC	0	**4.6444294E-11**						INFO
5 µADC	5E-06	**5.0000685E-06**	71.82 ppm	4.999522E-06	5.000478E-06	13.709 ppm	24 ppm	PASS 18.12 %
10 µADC	1E-05	**1.0000116E-05**	71.82 ppm	9.999113E-06	1.000089E-05	11.640 ppm	17 ppm	PASS 15.78 %
-10 µADC	-1E-05	**-1.000003E-05**	71.82 ppm	-1.000089E-05	-9.999111E-06	2.959 ppm	17 ppm	PASS 4.01 %
-5 µADC	-5E-06	**-4.9999901E-06**	71.82 ppm	-5.00048E-06	-4.99952E-06	-1.971 ppm	24 ppm	PASS 2.60 %
Zero 000 µADC	0	**8.4993193E-11**						INFO
50 µADC	5E-05	**5.0000307E-05**	71.82 ppm	4.999531E-05	5.000469E-05	6.148 ppm	22 ppm	PASS 8.19 %
100 µADC	0.0001	**0.00010000053**	71.82 ppm	9.999122E-05	0.0001000088	5.336 ppm	16 ppm	PASS 7.25 %
-100 µADC	-0.0001	**-0.00010000007**	71.82 ppm	-0.0001000088	-9.999122E-05	0.720 ppm	16 ppm	PASS 0.98 %
-50 µADC	-5E-05	**-4.9999979E-05**	71.82 ppm	-5.000469E-05	-4.999531E-05	-0.428 ppm	22 ppm	PASS 0.57 %
Zero mADC	0	**1.8158065E-11**						INFO
0.5 mADC	0.0005	**0.00049999888**	33.64 ppm	0.0004999742	0.0005000258	-2.235 ppm	18 ppm	PASS 5.86 %
1.0 mADC	0.001	**0.00099999611**	33.64 ppm	0.0009999524	0.001000048	-3.888 ppm	14 ppm	PASS 10.67 %
-1.0 mADC	-0.001	**-0.000999992**	33.64 ppm	-0.001000048	-0.0009999524	-7.999 ppm	14 ppm	PASS 21.95 %
-0.5 mADC	-0.0005	**-0.0004999949**	33.64 ppm	-0.0005000258	-0.0004999742	-10.196 ppm	18 ppm	PASS 26.72 %
Zero 00 mADC	0	**3.6984615E-11**						INFO
5 mADC	0.005	**0.0049999939**	32.27 ppm	0.004999749	0.005000251	-1.220 ppm	18 ppm	PASS 3.30 %
10 mADC	0.01	**0.0099999651**	32.27 ppm	0.009999537	0.01000046	-3.488 ppm	14 ppm	PASS 9.92 %
-10 mADC	-0.01	**-0.0099999416**	32.27 ppm	-0.01000046	-0.009999537	-5.836 ppm	14 ppm	PASS 16.59 %
-5 mADC	-0.005	**-0.0049999633**	32.27 ppm	-0.005000251	-0.004999749	-7.334 ppm	18 ppm	PASS 19.85 %
Zero 000 mADC	0	**7.9428755E-11**						INFO
50 mADC	0.05	**0.050000457**	53.32 ppm	0.04999568	0.05000432	9.140 ppm	33 ppm	PASS 14.58 %
100 mADC	0.1	**0.10000105**	53.32 ppm	0.09999177	0.1000082	10.510 ppm	29 ppm	PASS 17.32 %
-100 mADC	-0.1	**-0.10000139**	53.32 ppm	-0.1000082	-0.09999177	13.934 ppm	29 ppm	PASS 22.96 %
-50 mADC	-0.05	**-0.050000623**	53.32 ppm	-0.05000432	-0.04999568	12.454 ppm	33 ppm	PASS 19.86 %
Zero ADC	0	**1.4667547E-10**						INFO
0.5 ADC	0.5	**0.4999953**	115.22 ppm	0.4998824	0.5001176	-9.398 ppm	120 ppm	PASS 5.65 %
1.0 ADC	1	**0.99999311**	115.22 ppm	0.9997748	1.000225	-6.891 ppm	110 ppm	PASS 4.33 %
-1.0 ADC	-1	**-0.99995931**	115.22 ppm	-1.000225	-0.9997748	-40.692 ppm	110 ppm	PASS 25.54 %
-0.5 ADC	-0.5	**-0.4999663**	115.22 ppm	-0.5001176	-0.4998824	-67.398 ppm	120 ppm	PASS 40.51 %

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	200µA-2A	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result, % spec
10 µA AC @ 50 Hz	1e-05	**1.017052E-05**	0.0160 %	-0.0002900076045	0.0003100076045	1.7052 %	3000.0600 %	INFO
100 µA AC @ 50 Hz	0.0001	**0.00010006163**	0.0160 %	-0.000200076045	0.000400076045	0.0616 %	300.0600 %	PASS 0.02 %
1.0 mA AC @ 50 Hz	0.001	**0.001000079**	0.0160 %	0.00099921955	0.00100078045	79.009 ppm	0.0620 %	PASS 12.34 %
10 mA AC @ 50 Hz	0.01	**0.010000714**	0.0160 %	0.0099921955	0.0100078045	71.435 ppm	0.0620 %	PASS 11.15 %
100 mA AC @ 50 Hz	0.1	**0.10001413**	0.0133 %	0.099924682	0.100075318	141.295 ppm	0.0620 %	PASS 22.28 %
1.0 A AC @ 50 Hz	1.0	**1.0001059**	0.0133 %	0.99904682	1.00095318	105.863 ppm	0.0820 %	PASS 12.74 %
10 µA AC @ 60 Hz	1e-05	**1.0216734E-05**	0.0133 %	-0.0002900073318	0.0003100073318	2.1673 %	3000.0600 %	INFO
100 µA AC @ 60 Hz	0.0001	**0.00010002891**	0.0133 %	-0.000200073318	0.000400073318	0.0289 %	300.0600 %	PASS 0.01 %
1.0 mA AC @ 60 Hz	0.001	**0.0010001682**	0.0129 %	0.00099925136	0.00100074864	168.226 ppm	0.0620 %	PASS 26.57 %
10 mA AC @ 60 Hz	0.01	**0.010000975**	0.0129 %	0.0099925136	0.0100074864	97.503 ppm	0.0620 %	PASS 15.40 %
100 mA AC @ 60 Hz	0.1	**0.10001486**	0.0288 %	0.099909182	0.100090818	148.572 ppm	0.0620 %	PASS 21.73 %
1.0 A AC @ 60 Hz	1.0	**1.0001326**	0.0288 %	0.99889182	1.00110818	132.565 ppm	0.0820 %	PASS 15.25 %
10 µA AC @ 1.0 kHz	1e-05	**1.0215027E-05**	0.0160 %	-0.0002900076045	0.0003100076045	2.1503 %	3000.0600 %	INFO
100 µA AC @ 1.0 kHz	0.0001	**0.00010002202**	0.0160 %	-0.000200076045	0.000400076045	0.0220 %	300.0600 %	PASS 0.01 %
1.0 mA AC @ 1.0 kHz	0.001	**0.0010002036**	0.0160 %	0.00099951955	0.00100048045	203.610 ppm	0.0320 %	PASS 56.88 %
10 mA AC @ 1.0 kHz	0.01	**0.010001428**	0.0160 %	0.0099951955	0.0100048045	142.797 ppm	0.0320 %	PASS 39.89 %
100 mA AC @ 1.0 kHz	0.1	**0.10002082**	0.0133 %	0.099954682	0.100045318	208.188 ppm	0.0320 %	PASS 60.06 %
1.0 A AC @ 1.0 kHz	1.0	**1.0003014**	0.0133 %	0.99884682	1.00115318	0.0301 %	0.1020 %	PASS 29.30 %

Test date	28 February 2021 11:32
UUT Internal TEMP?	32.7

Lab temperature maintained +24°C ±2°C

Internal use only

Not validated