

Manufacturer	HEWLETT-PACKARD	Calibration date	December 22 2019
Model Number	3458A	Ambient Temperature	24.16 °C
Serial	B unit	Relative Humidity	22.41 %
ID Number	KSB	Pressure	1023.80
Notes	Test Belden, 3458-2, curr 5440-7003 cable	Test type	Automated verification

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
DC STD	xDevs.com	792X[2]	9.9999838 VDC	±0.22 ppm	XD01	08/07/2019	08/07/2020
STDR	xDevs.com/Fluke	SL935	1.00006085 Ω	±0.17 ppm	XR03	08/14/2019	08/14/2020
STDR	xDevs.com/Fluke	SL935	9999.9737 kΩ	±0.17 ppm	XR02	08/14/2019	08/14/2020
MFC	Fluke	5720A	03/HLK	E2E6	XC01	08/18/2019	08/18/2020
Amplifier	Fluke	5725A		5930005	XB01	08/18/2019	08/18/2020
DMM	HP	3458A	001,X02	MY45040325	XD2	08/19/2019	08/19/2020
AVMS	Wavetek	4920M	80	29336	XA02	07/11/2017	07/11/2018

MFC last calibrated	127.0 days ago	MFC since DCV ZERO	0.0 days ago
MFC since WBFLAT	316.0 days ago	MFC since WBGAIN	126.0 days ago
MFC Confidence level	<b>24h 95% REL</b>	MFC Calibrate date	2019-08-17 00:00:00
MFC Calibrate date Zero	2019-12-22 00:00:00	Calibrate date WB Flatness	2019-02-09 00:00:00
Calibrate date WB Gain	2019-08-18 00:00:00	CAL CONST 6.5V reference voltage	6.95748856472
CAL CONST 13V reference voltage	13.85531006	CAL CONST 22V range positive zero	398.17975
CAL CONST 22V range negative zero	398.17918	CAL CONST DAC Linearity	0.0
CAL CONST 10KOHM true output resistance	9999.78859682	CAL CONST 10KOHM standard resistance	9998.72316298
CAL CONST, Zero calibration temperature	23.0	CAL CONST, All calibration temp	23.0
Booster type	VB5725,IB5725	Current output posts	IB5725
Calibrate date 5725A AMP	2019-08-17 00:00:00	Calibrated days ago	Debug
CAL CONST, Amp ACAL temperature	24.0	CAL CONST, Amp CalCheck temperature	23.0

Total uncertainty of each calibration point calculated with RSS



Meter Info	HP3458A	Last calibration date	7/24/2018
CALSTR?	"MM-JAN-4-2017,TEMP? 36.5,A=24.7"	Test date	22 December 2019 04:16
DUT Internal TEMP?	36.7	DUT Calibrations number?	189
Self-test result?	0,"NO ERROR"	ACAL ALL result?	0,"NO ERROR"
Firmware	9,2	Options	0,0
CAL? 72	0.982331142	CAL? 1,1	39999.2479
CAL? 2,1	7.07034404	CAL? Res 73	0.98249515
CAL 0 TEMP	39.48	CAL 10V TEMP	37.49
CAL 10KOhm TEMP	39.53	CAL? DCI	0.981090334

Service information

### CAL DUMP

[(1, 39999.2479), (1, 7.07034404), (1, -9.41467922e-07), (1, -2.65766908e-08), (1, -1.20656475e-06), (1, -9.26025314e-08), (1, -1.73274907e-06), (1, -5.70388185e-07), (1, -0.000134380354), (1, -0.000134380354), (1, -0.000186175568), (1, -0.000186175568), (1, 0.315245418), (1, 0.314211649), (1, 0.313972369), (1, 0.302158736), (1, 0.277915017), (1, -0.0682755881), (1, -3.09030397), (1, -2.55129746), (1, -2.55129746), (1, 0.306738222), (1, 0.306955733), (1, 0.306806051), (1, 0.307703446), (1, 0.297963702), (1, 0.222794024), (1, -0.107801301), (1, -0.179668835), (1, -0.179668835), (1, -0.000178274198), (1, -0.00526156463), (1, -0.00523330943), (1, -0.05623047), (1, -0.120256181), (1, -1.10678322), (1, -12.1456133), (1, -11.8581431), (1, -11.8581431), (1, -0.000313179371), (1, -0.00310512547), (1, -0.00307822495), (1, -0.0303002852), (1, -0.0717872274), (1, -0.794152893), (1, -6.89928327), (1, -7.83356122), (1, -7.83356122), (1, 316.0), (1, 31.0), (1, 3.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 0.0), (1, 39.4793554), (1, 37.4883625), (1, 39.5320762), (1, 108.0), (1, -1.65343961e-11), (1, -1.37533118e-11), (1, -7.67304827e-11), (1, -5.12277203e-10), (1, -3.34738597e-09), (1, -3.60164123e-08), (1, -3.74674732e-07), (1, -2.97374409e-06), (1, 0.979581161), (1, 0.982393736), (1, 0.982331142), (1, 0.98249515), (1, 0.982432549), (1, 0.997138938), (1, 0.99716387), (1, 1.00002693), (1, 1.00025554), (1, 0.999887747), (1, 1.00002625), (1, 1.00000529), (1, 1.00000529), (1, 1.00000529), (1, 1.00000529), (1, 0.99713894), (1, 0.997163897), (1, 1.00002696), (1, 1.00025519), (1, 0.999888303), (1, 1.00002625), (1, 1.00000529), (1, 1.00000529), (1, 1.00000529), (1, 0.981090334), (1, 0.979573211), (1, 0.978856034), (1, 0.978852365), (1, 0.97908486), (1, 0.97734374), (1, 0.981522822), (1, 0.997749435), (1, 83.0), (1, 116.0), (1, 4.93481614), (1, 2.70630311e-11), (1, -6.04377882e-11), (1, 9998541.39), (1, -0.0083924058), (1, -0.0279377881), (1, 0.999999094), (1, 0.99999918), (1, 1666.99793), (1, 1666.9843), (1, 5154.0), (1, 5139.0), (1, 5139.0), (1, 5138.0), (1, 5139.0), (1, 61848.0), (1, 61668.0), (1, 61668.0), (1, 61656.0), (1, 61668.0), (1, 5023.0), (1, 5023.0), (1, 5009.0), (1, 5007.0), (1, 2504.0), (1, 2504.0), (1, 2504.0), (1, 12523.0), (1, 22769.0), (1, 60276.0), (1, 60276.0), (1, 60108.0), (1, 60084.0), (1, 30048.0), (1, 30048.0), (1, 30048.0), (1, 150276.0), (1, 273228.0), (1, 5023.0), (1, 5023.0), (1, 5009.0), (1,

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Destructive overloads?

310, DESTRUCTIVE OVERLOADS valid 2941

Reference

Verification cal 5720A/03 PC;

DUT Condition

xfer-calkit

Test procedure : \$ld\$

Source procedure : \$ld\$

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>-0.57 µV</b>	0.75 µV	-0.910 µV	0.910 µV	N/A	0.16 µV	PASS
Short 0.0 VDC	0.000000E+00	<b>-0.35 µV</b>	0.75 µV	-0.900 µV	0.900 µV	N/A	0.15 µV	PASS
Short 00.0 VDC	0.000000E+00	<b>0.16 µV</b>	0.75 µV	-1.070 µV	1.070 µV	N/A	0.32 µV	PASS
Short 000.0 VDC	0.000000E+00	<b>15.59 µV</b>	0.75 µV	-14.750 µV	14.750 µV	N/A	14.00 µV	FAIL
Short 0000.0 VDC	0.000000E+00	<b>71.80 µV</b>	0.75 µV	-41.750 µV	41.750 µV	N/A	41.00 µV	FAIL
DCV Test	0.1V-1000V	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
0.019 VDC (0.10 Range)	0.0190000	<b>0.019000057</b>	7.27 ppm	0.018999514	0.019000486	3.006 ppm	18.29 ppm	PASS 7.64 %
0.1 VDC (0.10 Range)	0.1000000	<b>0.10000031</b>	7.27 ppm	0.099998723	0.10000128	3.071 ppm	5.50 ppm	PASS 16.85 %
0.11 VDC (0.10 Range)	0.1100000	<b>0.11000032</b>	7.27 ppm	0.10999863	0.11000137	2.868 ppm	5.23 ppm	PASS 16.02 %
-0.019 VDC (0.10 Range)	-0.0190000	<b>-0.019000072</b>	7.27 ppm	-0.019000486	-0.018999514	3.768 ppm	18.29 ppm	PASS 9.57 %
-0.1 VDC (0.10 Range)	-0.1000000	<b>-0.10000035</b>	7.27 ppm	-0.10000128	-0.099998723	3.516 ppm	5.50 ppm	PASS 19.29 %
-0.11 VDC (0.10 Range)	-0.1100000	<b>-0.11000038</b>	7.27 ppm	-0.11000137	-0.10999863	3.494 ppm	5.23 ppm	PASS 19.51 %
0.19 VDC (1.00 Range)	0.1900000	<b>0.19000077</b>	7.27 ppm	0.18999803	0.19000197	4.071 ppm	3.08 ppm	PASS 25.78 %
1.0 VDC (1.00 Range)	1.0000000	<b>0.99999991</b>	3.86 ppm	0.99999434	1.0000057	-0.090 ppm	1.80 ppm	PASS 1.06 %
1.1 VDC (1.00 Range)	1.1000000	<b>1.0999999</b>	3.86 ppm	1.0999938	1.1000062	-0.050 ppm	1.77 ppm	PASS 0.59 %
-0.19 VDC (1.00 Range)	-0.1900000	<b>-0.19000045</b>	7.27 ppm	-0.19000197	-0.18999803	2.343 ppm	3.08 ppm	PASS 14.84 %
-1.0 VDC (1.00 Range)	-1.0000000	<b>-0.99999971</b>	3.86 ppm	-1.0000057	-0.99999434	-0.295 ppm	1.80 ppm	PASS 3.46 %
-1.1 VDC (1.00 Range)	-1.1000000	<b>-1.0999995</b>	3.86 ppm	-1.1000062	-1.0999938	-0.419 ppm	1.77 ppm	PASS 4.93 %
1.9 VDC (10.00 Range)	1.9000000	<b>1.9000001</b>	3.86 ppm	1.8999912	1.9000088	0.056 ppm	0.76 ppm	PASS 0.71 %
10.0 VDC (10.00 Range)	10.0000000	<b>9.999997</b>	2.77 ppm	9.9999668	10.000033	-0.299 ppm	0.55 ppm	PASS 5.30 %
11.0 VDC (10.00 Range)	11.0000000	<b>10.999996</b>	2.73 ppm	10.999964	11.000036	-0.409 ppm	0.55 ppm	PASS 7.35 %
-1.9 VDC (10.00 Range)	-1.9000000	<b>-1.8999986</b>	3.86 ppm	-1.9000088	-1.8999912	-0.732 ppm	0.76 ppm	PASS 9.30 %
-10.0 VDC (10.00 Range)	-10.0000000	<b>-9.9999944</b>	2.77 ppm	-10.000033	-9.9999668	-0.563 ppm	0.55 ppm	PASS 9.96 %
-11.0 VDC (10.00 Range)	-11.0000000	<b>-10.999994</b>	2.73 ppm	-11.000036	-10.999964	-0.572 ppm	0.55 ppm	PASS 10.27 %
19 VDC (100.00 Range)	19.0000000	<b>19.000029</b>	2.77 ppm	18.99987	19.00013	1.523 ppm	4.08 ppm	PASS 15.44 %
100 VDC (100.00 Range)	100.0000000	<b>100.00001</b>	3.73 ppm	99.999347	100.00065	0.132 ppm	2.80 ppm	PASS 1.42 %
110 VDC (100.00 Range)	110.0000000	<b>109.99999</b>	3.73 ppm	109.99928	110.00072	-0.105 ppm	2.77 ppm	PASS 1.13 %
-19 VDC (100.00 Range)	-19.0000000	<b>-18.999964</b>	2.77 ppm	-19.00013	-18.99987	-1.906 ppm	4.08 ppm	PASS 19.33 %
-100 VDC (100.00 Range)	-100.0000000	<b>-99.999924</b>	3.73 ppm	-100.00065	-99.999347	-0.757 ppm	2.80 ppm	PASS 8.11 %
-110 VDC (100.00 Range)	-110.0000000	<b>-109.99991</b>	3.73 ppm	-110.00072	-109.99928	-0.796 ppm	2.77 ppm	PASS 8.56 %
190 VDC (1000.00 Range)	190.0000000	<b>189.99993</b>	3.73 ppm	189.99872	190.00128	-0.345 ppm	3.03 ppm	PASS 3.59 %
500 VDC (1000.00 Range)	500.0000000	<b>500.00097</b>	3.73 ppm	499.99678	500.00322	1.934 ppm	2.70 ppm	PASS 25.92 %
1000 VDC (1000.00 Range)	1000.0000000	<b>1000.0031</b>	5.45 ppm	999.97995	1000.02	3.074 ppm	2.60 ppm	PASS 11.66 %
-190 VDC (1000.00 Range)	-190.0000000	<b>-190.00006</b>	3.73 ppm	-190.00128	-189.99872	0.332 ppm	3.03 ppm	PASS 3.46 %
-500 VDC (1000.00 Range)	-500.0000000	<b>-500.00093</b>	3.73 ppm	-500.00322	-499.99678	1.867 ppm	2.70 ppm	PASS 7.43 %
-1000 VDC (1000.00 Range)	-1000.0000000	<b>-1000.0033</b>	5.45 ppm	-1000.02	-999.97995	3.331 ppm	2.60 ppm	PASS 12.64 %

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	0.9997928 Ω	<b>0.99977843 Ω</b>	32.0 ppm	9.9972581E-01	9.9985979E-01	-14.369 ppm	35.0 ppm	PASS, 15.15 % of 94.86 ppm
1.9 Ω	1.8998366 Ω	<b>1.8998158 Ω</b>	25.0 ppm	1.8997496E+00	1.8999236E+00	-10.923 ppm	20.8 ppm	PASS, 16.80 % of 65.03 ppm
10 Ω	10.000584 Ω	<b>10.000582 Ω</b>	5.0 ppm	1.0000454E+01	1.0000714E+01	-0.206 ppm	8.0 ppm	PASS, 1.09 % of 18.87 ppm
19 Ω	19.000245 Ω	<b>19.000362 Ω</b>	4.0 ppm	1.8999812E+01	1.9000678E+01	6.179 ppm	18.8 ppm	PASS, 16.08 % of 38.42 ppm
100 Ω	99.99666 Ω	<b>99.99699 Ω</b>	1.7 ppm	9.9995890E+01	9.9997430E+01	3.300 ppm	6.0 ppm	PASS, 26.46 % of 12.47 ppm
190 Ω	189.99422 Ω	<b>189.99487 Ω</b>	1.7 ppm	1.8999332E+02	1.8999512E+02	3.411 ppm	3.1 ppm	PASS, 48.81 % of 6.99 ppm
1.0 kΩ	1000.025 Ω	<b>1000.0274 Ω</b>	1.7 ppm	1.0000211E+03	1.0000289E+03	2.432 ppm	2.2 ppm	PASS, 43.74 % of 5.56 ppm
1.9 kΩ	1899.903 Ω	<b>1899.9086 Ω</b>	1.7 ppm	1.8998940E+03	1.8999120E+03	2.939 ppm	3.1 ppm	PASS, 42.06 % of 6.99 ppm
10 kΩ	9999.784 Ω	<b>9999.8157 Ω</b>	1.6 ppm	9.9997460E+03	9.9998220E+03	3.168 ppm	2.2 ppm	PASS, 58.22 % of 5.44 ppm
19 kΩ	18999.247 Ω	<b>18999.283 Ω</b>	1.7 ppm	1.8999157E+04	1.8999337E+04	1.875 ppm	3.1 ppm	PASS, 26.83 % of 6.99 ppm
100 kΩ	99994.5 Ω	<b>99994.15 Ω</b>	2.0 ppm	9.9994080E+04	9.9994920E+04	-3.502 ppm	2.2 ppm	PASS, 58.89 % of 5.95 ppm
190 kΩ	189988.68 Ω	<b>189988.8 Ω</b>	2.0 ppm	1.8998540E+05	1.8999196E+05	0.633 ppm	15.3 ppm	PASS, 2.06 % of 30.79 ppm
1.0 MΩ	999979.8 Ω	<b>999974.9 Ω</b>	2.5 ppm	9.9996630E+05	9.9999330E+05	-4.897 ppm	11.0 ppm	PASS, 21.70 % of 22.56 ppm
1.9 MΩ	1899973.9 Ω	<b>1899943.1 Ω</b>	3.0 ppm	1.8998232E+06	1.9001246E+06	-16.233 ppm	76.3 ppm	PASS, 10.63 % of 152.75 ppm
10 MΩ	9999063 Ω	<b>9998516.4 Ω</b>	10.0 ppm	9.9984131E+06	9.9997129E+06	-54.663 ppm	55.0 ppm	PASS, 48.89 % of 111.80 ppm
19 MΩ	18998631 Ω	<b>18999808 Ω</b>	20.0 ppm	1.8987752E+07	1.9009510E+07	61.943 ppm	552.6 ppm	PASS, 5.60 % of 1105.99 ppm
100 MΩ	1.0000492E+08 Ω	<b>1.0001453E+08 Ω</b>	50.0 ppm	9.9948917E+07	1.0006092E+08	96.053 ppm	510.0 ppm	PASS, 9.37 % of 1024.89 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.

<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>
10 Ω	<b>Range 0.0000033 Ω</b>	5.000e-05 Ω	-5e-05	5e-05	N/A	8.0000e-06 Ω	PASS
100 Ω	<b>Range -0.0000030 Ω</b>	5.500e-04 Ω	-0.00055	0.00055	N/A	2.2000e-06 Ω	PASS
1.0 kΩ	<b>Range -0.0000629 Ω</b>	5.500e-03 Ω	-0.0055	0.0055	N/A	2.2000e-06 Ω	PASS
10 kΩ	<b>Range 0.0004133 Ω</b>	5.500e-02 Ω	-0.055	0.055	N/A	2.2000e-06 Ω	PASS
100 kΩ	<b>Range -0.0017965 Ω</b>	5.500e-01 Ω	-0.55	0.55	N/A	2.2000e-06 Ω	PASS
1.0 MΩ	<b>Range 0.0682756 Ω</b>	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-06 Ω	PASS
10 MΩ	<b>Range 1.5810858 Ω</b>	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-06 Ω	PASS
100 MΩ	<b>Range 1.0780131 Ω</b>	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-06 Ω	PASS
1 GΩ	<b>Range 1.0420794 Ω</b>	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-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>
10 Ω	<b>Range 0.3034149 Ω</b>	3.000e-01 Ω	-0.3	0.3	N/A	8.0000e-06 Ω	FAIL
100 Ω	<b>Range 0.3031864 Ω</b>	3.500e-01 Ω	-0.35	0.35	N/A	2.2000e-06 Ω	PASS
1.0 kΩ	<b>Range 0.3024047 Ω</b>	4.000e-01 Ω	-0.4	0.4	N/A	2.2000e-06 Ω	PASS
10 kΩ	<b>Range 0.3127552 Ω</b>	4.000e-01 Ω	-0.4	0.4	N/A	2.2000e-06 Ω	PASS
100 kΩ	<b>Range 0.3136643 Ω</b>	5.500e-01 Ω	-0.55	0.55	N/A	2.2000e-06 Ω	PASS
1.0 MΩ	<b>Range 0.4779272 Ω</b>	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-06 Ω	PASS
10 MΩ	<b>Range 1.6170008 Ω</b>	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-06 Ω	PASS
100 MΩ	<b>Range 1.1139340 Ω</b>	5.500e+00 Ω	-5.5	5.5	N/A	2.2000e-06 Ω	PASS
1 GΩ	<b>Range 1.0061340 Ω</b>	5.500e+01 Ω	-55	55	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	0.0099982891	0.0312 %	0.009991	0.010009	-0.0171 %	0.0600 %	PASS 12.65 %
0.01 V AC+DC @ 20 Hz	0.0099981092	0.0312 %	0.009991	0.010009	-0.0189 %	0.0600 %	PASS 13.98 %
0.01 V AC+DC @ 40 Hz	0.0099979707	0.0312 %	0.009991	0.010009	-0.0203 %	0.0600 %	PASS 15.00 %
0.01 V AC+DC @ 100 Hz	0.0099980475	0.0312 %	0.009994	0.010006	-0.0195 %	0.0310 %	PASS 22.19 %
0.01 V AC+DC @ 1.0 kHz	0.0099979301	0.0312 %	0.009994	0.010006	-0.0207 %	0.0310 %	PASS 23.52 %
0.01 V AC+DC @ 10.0 kHz	0.0099995962	0.0312 %	0.009993	0.010007	-0.0040 %	0.0410 %	PASS 3.92 %
0.01 V AC+DC @ 20.0 kHz	0.009998511	0.0312 %	0.009993	0.010007	-0.0149 %	0.0410 %	PASS 14.45 %
0.01 V AC+DC @ 50.0 kHz	0.0099966332	0.0447 %	0.009984	0.010016	-0.0337 %	0.1110 %	PASS 14.07 %
0.01 V AC+DC @ 100.0 kHz	0.0099784737	0.0773 %	0.009941	0.010059	-0.2153 %	0.5110 %	PASS 20.83 %
0.01 V AC+DC @ 300.0 kHz	0.0098338688	0.1500 %	0.009583	0.010417	-1.6613 %	4.0200 %	PASS 20.65 %
0.01 V AC+DC @ 500.0 kHz	0.0096108151	0.2500 %	0.007470	0.012530	-3.8918 %	25.0500 %	PASS 7.77 %
0.01 V AC+DC @ 1.0 MHz	0.008771552	0.4000 %	0.007455	0.012545	-12.2845 %	25.0500 %	PASS 24.52 %
0.03 V AC+DC @ 10 Hz	0.030001693	0.0121 %	0.029989	0.030011	0.0056 %	0.0233 %	PASS 10.73 %
0.03 V AC+DC @ 20 Hz	0.030001361	0.0121 %	0.029989	0.030011	0.0045 %	0.0233 %	PASS 8.63 %
0.03 V AC+DC @ 40 Hz	0.03000119	0.0121 %	0.029989	0.030011	0.0040 %	0.0233 %	PASS 7.54 %
0.03 V AC+DC @ 100 Hz	0.030000686	0.0121 %	0.029992	0.030008	0.0023 %	0.0137 %	PASS 6.25 %
0.03 V AC+DC @ 1.0 kHz	0.030001106	0.0121 %	0.029992	0.030008	0.0037 %	0.0137 %	PASS 10.08 %
0.03 V AC+DC @ 10.0 kHz	0.030001958	0.0121 %	0.029990	0.030010	0.0065 %	0.0207 %	PASS 13.62 %
0.03 V AC+DC @ 20.0 kHz	0.030000451	0.0121 %	0.029990	0.030010	0.0015 %	0.0207 %	PASS 3.14 %
0.03 V AC+DC @ 50.0 kHz	0.030000908	0.0256 %	0.029981	0.030019	0.0030 %	0.0367 %	PASS 3.38 %
0.03 V AC+DC @ 100.0 kHz	0.029991913	0.0591 %	0.029956	0.030044	-0.0270 %	0.0867 %	PASS 12.85 %
0.03 V AC+DC @ 300.0 kHz	0.029937062	0.0964 %	0.029871	0.030129	-0.2098 %	0.3333 %	PASS 30.23 %
0.03 V AC+DC @ 500.0 kHz	0.029887111	0.1500 %	0.029645	0.030355	-0.3763 %	1.0333 %	PASS 18.02 %
0.03 V AC+DC @ 1.0 MHz	0.029890019	0.3000 %	0.029600	0.030400	-0.3666 %	1.0333 %	PASS 17.04 %
0.1 V AC+DC @ 10 Hz	0.099996648	0.0121 %	0.099974	0.100026	-0.0034 %	0.0140 %	PASS 9.05 %
0.1 V AC+DC @ 20 Hz	0.099993977	0.0121 %	0.099974	0.100026	-0.0060 %	0.0140 %	PASS 16.26 %
0.1 V AC+DC @ 40 Hz	0.099994254	0.0121 %	0.099974	0.100026	-0.0057 %	0.0140 %	PASS 15.51 %
0.1 V AC+DC @ 100 Hz	0.099993111	0.0121 %	0.099979	0.100021	-0.0069 %	0.0090 %	PASS 22.80 %
0.1 V AC+DC @ 1.0 kHz	0.099995057	0.0121 %	0.099979	0.100021	-0.0049 %	0.0090 %	PASS 16.36 %
0.1 V AC+DC @ 10.0 kHz	0.099996581	0.0121 %	0.099972	0.100028	-0.0034 %	0.0160 %	PASS 8.51 %
0.1 V AC+DC @ 20.0 kHz	0.099993341	0.0121 %	0.099972	0.100028	-0.0067 %	0.0160 %	PASS 16.58 %
0.1 V AC+DC @ 50.0 kHz	0.099990645	0.0256 %	0.099942	0.100058	-0.0094 %	0.0320 %	PASS 11.41 %
0.1 V AC+DC @ 100.0 kHz	0.099958755	0.0591 %	0.099859	0.100141	-0.0412 %	0.0820 %	PASS 20.40 %
0.1 V AC+DC @ 300.0 kHz	0.099773259	0.0964 %	0.099594	0.100406	-0.2267 %	0.3100 %	PASS 34.92 %
0.1 V AC+DC @ 500.0 kHz	0.099622608	0.1500 %	0.098840	0.101160	-0.3774 %	1.0100 %	PASS 18.48 %
0.1 V AC+DC @ 1.0 MHz	0.099598844	0.3000 %	0.098690	0.101310	-0.4012 %	1.0100 %	PASS 19.04 %
0.3 V AC+DC @ 10 Hz	0.30000944	0.0050 %	0.299918	0.300082	0.0031 %	0.0223 %	PASS 6.88 %
0.3 V AC+DC @ 20 Hz	0.30000069	0.0050 %	0.299918	0.300082	0.0002 %	0.0223 %	PASS 0.51 %
0.3 V AC+DC @ 40 Hz	0.30000037	0.0050 %	0.299918	0.300082	0.0001 %	0.0223 %	PASS 0.27 %
0.3 V AC+DC @ 100 Hz	0.29999969	0.0050 %	0.299944	0.300056	-0.0001 %	0.0137 %	PASS 0.36 %
0.3 V AC+DC @ 1.0 kHz	0.30000356	0.0050 %	0.299944	0.300056	0.0012 %	0.0137 %	PASS 4.08 %
0.3 V AC+DC @ 10.0 kHz	0.29999921	0.0050 %	0.299923	0.300077	-0.0003 %	0.0207 %	PASS 0.62 %
0.3 V AC+DC @ 20.0 kHz	0.29998457	0.0050 %	0.299923	0.300077	-0.0051 %	0.0207 %	PASS 12.10 %
0.3 V AC+DC @ 50.0 kHz	0.30001772	0.0085 %	0.299864	0.300136	0.0059 %	0.0367 %	PASS 7.84 %
0.3 V AC+DC @ 100.0 kHz	0.30005696	0.0138 %	0.299699	0.300301	0.0190 %	0.0867 %	PASS 10.82 %
0.3 V AC+DC @ 300.0 kHz	0.30039621	0.0425 %	0.298872	0.301128	0.1321 %	0.3333 %	PASS 19.65 %
0.3 V AC+DC @ 500.0 kHz	0.30101804	0.1100 %	0.296570	0.303430	0.3393 %	1.0333 %	PASS 16.33 %
0.3 V AC+DC @ 1.0 MHz	0.3028751	0.1800 %	0.296360	0.303640	0.9584 %	1.0333 %	PASS 45.68 %
1.0 V AC+DC @ 10 Hz	1.0000145	0.0050 %	0.999820	1.000180	0.0014 %	0.0130 %	PASS 5.21 %
1.0 V AC+DC @ 20 Hz	0.99998684	0.0050 %	0.999820	1.000180	-0.0013 %	0.0130 %	PASS 4.73 %
1.0 V AC+DC @ 40 Hz	0.9999797	0.0050 %	0.999820	1.000180	-0.0020 %	0.0130 %	PASS 7.30 %
1.0 V AC+DC @ 100 Hz	0.99997551	0.0050 %	0.999860	1.000140	-0.0024 %	0.0090 %	PASS 11.92 %
1.0 V AC+DC @ 1.0 kHz	0.99999117	0.0050 %	0.999860	1.000140	-0.0009 %	0.0090 %	PASS 4.30 %
1.0 V AC+DC @ 10.0 kHz	0.99996951	0.0050 %	0.999790	1.000210	-0.0030 %	0.0160 %	PASS 9.10 %
1.0 V AC+DC @ 20.0 kHz	0.99994319	0.0050 %	0.999790	1.000210	-0.0057 %	0.0160 %	PASS 16.96 %
1.0 V AC+DC @ 50.0 kHz	1.0000249	0.0085 %	0.999595	1.000405	0.0025 %	0.0320 %	PASS 3.76 %
1.0 V AC+DC @ 100.0 kHz	1.0001088	0.0138 %	0.999042	1.000958	0.0109 %	0.0820 %	PASS 6.54 %
1.0 V AC+DC @ 300.0 kHz	1.0013121	0.0425 %	0.996475	1.003525	0.1312 %	0.3100 %	PASS 20.97 %
1.0 V AC+DC @ 500.0 kHz	1.0033942	0.1100 %	0.988800	1.011200	0.3394 %	1.0100 %	PASS 16.70 %
1.0 V AC+DC @ 1.0 MHz	1.0097169	0.1800 %	0.988100	1.011900	0.9717 %	1.0100 %	PASS 47.36 %
3.0 V AC+DC @ 10 Hz	3.0001433	0.0048 %	2.999245	3.000755	0.0048 %	0.0203 %	PASS 11.43 %
3.0 V AC+DC @ 20 Hz	3.0000984	0.0048 %	2.999245	3.000755	0.0033 %	0.0203 %	PASS 7.85 %
3.0 V AC+DC @ 40 Hz	3.000065	0.0048 %	2.999245	3.000755	0.0022 %	0.0203 %	PASS 5.18 %
3.0 V AC+DC @ 100 Hz	3.0000646	0.0048 %	2.999445	3.000555	0.0022 %	0.0137 %	PASS 7.43 %
3.0 V AC+DC @ 1.0 kHz	3.0001069	0.0048 %	2.999445	3.000555	0.0036 %	0.0137 %	PASS 12.30 %
3.0 V AC+DC @ 10.0 kHz	2.999955	0.0048 %	2.999235	3.000765	-0.0015 %	0.0207 %	PASS 3.53 %

3.0 V AC+DC @ 20.0 kHz	<b>2.9999418</b>	0.0048 %	2.999235	3.000765	-0.0019 %	0.0207 %	PASS 4.57 %
3.0 V AC+DC @ 50.0 kHz	<b>2.9999887</b>	0.0085 %	2.998644	3.001356	-0.0004 %	0.0367 %	PASS 0.50 %
3.0 V AC+DC @ 100.0 kHz	<b>2.999337</b>	0.0121 %	2.997036	3.002964	-0.0221 %	0.0867 %	PASS 12.63 %
3.0 V AC+DC @ 300.0 kHz	<b>2.9968609</b>	0.0336 %	2.988991	3.011009	-0.1046 %	0.3333 %	PASS 15.62 %
3.0 V AC+DC @ 500.0 kHz	<b>3.0011474</b>	0.1100 %	2.965700	3.034300	0.0382 %	1.0333 %	PASS 1.84 %
3.0 V AC+DC @ 1.0 MHz	<b>3.0252661</b>	0.1700 %	2.963900	3.036100	0.8422 %	1.0333 %	PASS 40.21 %
10.0 V AC+DC @ 10 Hz	<b>10.000392</b>	0.0048 %	9.998418	10.001582	0.0039 %	0.0110 %	PASS 16.32 %
10.0 V AC+DC @ 20 Hz	<b>10.000135</b>	0.0048 %	9.998418	10.001582	0.0014 %	0.0110 %	PASS 5.62 %
10.0 V AC+DC @ 40 Hz	<b>10.000094</b>	0.0048 %	9.998418	10.001582	0.0009 %	0.0110 %	PASS 3.92 %
10.0 V AC+DC @ 100 Hz	<b>10.000054</b>	0.0048 %	9.998618	10.001382	0.0005 %	0.0090 %	PASS 2.63 %
10.0 V AC+DC @ 1.0 kHz	<b>10.000185</b>	0.0048 %	9.998618	10.001382	0.0018 %	0.0090 %	PASS 9.04 %
10.0 V AC+DC @ 10.0 kHz	<b>9.9996789</b>	0.0048 %	9.997918	10.002082	-0.0032 %	0.0160 %	PASS 9.61 %
10.0 V AC+DC @ 20.0 kHz	<b>9.9996528</b>	0.0048 %	9.997918	10.002082	-0.0035 %	0.0160 %	PASS 10.39 %
10.0 V AC+DC @ 50.0 kHz	<b>9.99964</b>	0.0085 %	9.995946	10.004054	-0.0036 %	0.0320 %	PASS 5.43 %
10.0 V AC+DC @ 100.0 kHz	<b>9.9970167</b>	0.0121 %	9.990586	10.009414	-0.0298 %	0.0820 %	PASS 17.99 %
10.0 V AC+DC @ 300.0 kHz	<b>9.9893488</b>	0.0336 %	9.965636	10.034364	-0.1065 %	0.3100 %	PASS 17.08 %
10.0 V AC+DC @ 500.0 kHz	<b>10.003376</b>	0.1100 %	9.888000	10.112000	0.0338 %	1.0100 %	PASS 1.66 %
10.0 V AC+DC @ 1.0 MHz	<b>10.085067</b>	0.1700 %	9.882000	10.118000	0.8507 %	1.0100 %	PASS 41.53 %
30 V AC+DC @ 10 Hz	<b>30.000298</b>	0.0060 %	29.988195	30.011805	0.0010 %	0.0333 %	PASS 1.46 %
30 V AC+DC @ 20 Hz	<b>30.000046</b>	0.0060 %	29.988195	30.011805	0.0002 %	0.0333 %	PASS 0.23 %
30 V AC+DC @ 40 Hz	<b>29.999859</b>	0.0060 %	29.988195	30.011805	-0.0005 %	0.0333 %	PASS 0.70 %
30 V AC+DC @ 100 Hz	<b>29.99972</b>	0.0060 %	29.990195	30.009805	-0.0009 %	0.0267 %	PASS 1.70 %
30 V AC+DC @ 1.0 kHz	<b>30.000274</b>	0.0060 %	29.990195	30.009805	0.0009 %	0.0267 %	PASS 1.67 %
30 V AC+DC @ 10.0 kHz	<b>29.999088</b>	0.0060 %	29.990195	30.009805	-0.0030 %	0.0267 %	PASS 5.56 %
30 V AC+DC @ 20.0 kHz	<b>29.998361</b>	0.0060 %	29.990195	30.009805	-0.0055 %	0.0267 %	PASS 9.99 %
30 V AC+DC @ 50.0 kHz	<b>29.999529</b>	0.0060 %	29.985695	30.014305	-0.0016 %	0.0417 %	PASS 1.86 %
30 V AC+DC @ 100.0 kHz	<b>29.995411</b>	0.0174 %	29.956791	30.043209	-0.0153 %	0.1267 %	PASS 5.98 %
30 V AC+DC @ 300.0 kHz	<b>29.997555</b>	0.0991 %	29.840273	30.159727	-0.0082 %	0.4333 %	PASS 0.92 %
30 V AC+DC @ 500.0 kHz	<b>30.041969</b>	0.5200 %	29.384000	30.616000	0.1399 %	1.5333 %	PASS 4.32 %
100.0 V AC+DC @ 10 Hz	<b>100.00064</b>	0.0060 %	99.969982	100.030018	0.0006 %	0.0240 %	PASS 1.30 %
100.0 V AC+DC @ 20 Hz	<b>99.998374</b>	0.0060 %	99.969982	100.030018	-0.0016 %	0.0240 %	PASS 3.29 %
100.0 V AC+DC @ 40 Hz	<b>99.997722</b>	0.0060 %	99.969982	100.030018	-0.0023 %	0.0240 %	PASS 4.60 %
100.0 V AC+DC @ 100 Hz	<b>99.997189</b>	0.0060 %	99.971982	100.028018	-0.0028 %	0.0220 %	PASS 6.16 %
100.0 V AC+DC @ 1.0 kHz	<b>99.998804</b>	0.0060 %	99.971982	100.028018	-0.0012 %	0.0220 %	PASS 2.62 %
100.0 V AC+DC @ 10.0 kHz	<b>99.996566</b>	0.0060 %	99.971982	100.028018	-0.0034 %	0.0220 %	PASS 7.53 %
100.0 V AC+DC @ 20.0 kHz	<b>99.994117</b>	0.0060 %	99.971982	100.028018	-0.0059 %	0.0220 %	PASS 12.90 %
100.0 V AC+DC @ 50.0 kHz	<b>99.996135</b>	0.0095 %	99.953455	100.046545	-0.0039 %	0.0370 %	PASS 5.06 %
100.0 V AC+DC @ 100.0 kHz	<b>99.977955</b>	0.0174 %	99.860636	100.139364	-0.0220 %	0.1220 %	PASS 8.94 %
300.0 V AC+DC @ 40 Hz	<b>299.99612</b>	0.0079 %	299.056408	300.943592	-0.0013 %	0.3067 %	PASS 0.21 %
300.0 V AC+DC @ 100 Hz	<b>299.99447</b>	0.0079 %	299.836408	300.163592	-0.0018 %	0.0467 %	PASS 1.95 %
300.0 V AC+DC @ 1.0 kHz	<b>299.99716</b>	0.0079 %	299.836408	300.163592	-0.0009 %	0.0467 %	PASS 1.00 %
300.0 V AC+DC @ 10.0 kHz	<b>299.9905</b>	0.0110 %	299.766865	300.233135	-0.0032 %	0.0667 %	PASS 2.34 %
300.0 V AC+DC @ 20.0 kHz	<b>299.98356</b>	0.0110 %	299.766865	300.233135	-0.0055 %	0.0667 %	PASS 4.05 %
300.0 V AC+DC @ 50.0 kHz	<b>300.14233</b>	0.0245 %	299.546599	300.453401	0.0474 %	0.1267 %	PASS 18.39 %
300.0 V AC+DC @ 100.0 kHz	<b>300.58531</b>	0.0660 %	298.882000	301.118000	0.1951 %	0.3067 %	PASS 31.10 %
750.0 V AC+DC @ 40 Hz	<b>750.02486</b>	0.0079 %	747.671020	752.328980	0.0033 %	0.3027 %	PASS 0.55 %
750.0 V AC+DC @ 100 Hz	<b>750.01905</b>	0.0079 %	749.621020	750.378980	0.0025 %	0.0427 %	PASS 2.93 %
750.0 V AC+DC @ 1.0 kHz	<b>750.02441</b>	0.0079 %	749.621020	750.378980	0.0033 %	0.0427 %	PASS 3.75 %
750.0 V AC+DC @ 10.0 kHz	<b>749.97257</b>	0.0110 %	749.447162	750.552838	-0.0037 %	0.0627 %	PASS 2.87 %
750.0 V AC+DC @ 20.0 kHz	<b>749.93262</b>	0.0110 %	749.447162	750.552838	-0.0090 %	0.0627 %	PASS 7.06 %
750.0 V AC+DC @ 50.0 kHz	<b>750.29765</b>	0.0245 %	748.896498	751.103503	0.0397 %	0.1227 %	PASS 15.86 %
750.0 V AC+DC @ 45.0 kHz	<b>750.17437</b>	0.0660 %	748.585000	751.415000	0.0232 %	0.1227 %	PASS 8.35 %

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	-3.7017772E-11						INFO
50 nADC	5E-08	4.9987724E-08						INFO
100 nADC	1.00000E-07 A	9.9977773E-08 A	71.82 ppm	9.995182E-08	1.000482E-07	-222.268 ppm	410 ppm	PASS 26.70 %
-100 nADC	-1.00000E-07 A	-9.9917619E-08 A	71.82 ppm	-1.000482E-07	-9.995182E-08	-823.807 ppm	410 ppm	PASS 98.96 %
-50 nADC	-5E-08	-4.9996485E-08						INFO
Zero µADC	0	-9.6479301E-11						INFO
0.5 µADC	5.00000E-07 A	4.9998416E-07 A	71.82 ppm	4.999191E-07	5.000809E-07	-31.672 ppm	90 ppm	PASS 13.75 %
1.0 µADC	1.00000E-06 A	9.9994290E-07 A	71.82 ppm	9.998782E-07	1.000122E-06	-57.097 ppm	50 ppm	PASS 32.62 %
-1.0 µADC	-1.00000E-06 A	-9.9996512E-07 A	71.82 ppm	-1.000122E-06	-9.998782E-07	-34.884 ppm	50 ppm	PASS 19.93 %
-0.5 µADC	-5.00000E-07 A	-4.9992078E-07 A	71.82 ppm	-5.000809E-07	-4.999191E-07	-158.437 ppm	90 ppm	PASS 68.80 %
Zero 00 µADC	0	6.6435126E-11						INFO
5 µADC	5.00000E-06 A	5.0000118E-06 A	71.82 ppm	4.999521E-06	5.000479E-06	2.357 ppm	24 ppm	PASS 1.56 %
10 µADC	1.00000E-05 A	9.9999078E-06 A	71.82 ppm	9.999112E-06	1.000089E-05	-9.222 ppm	17 ppm	PASS 6.25 %
-10 µADC	-1.00000E-05 A	-9.9999199E-06 A	71.82 ppm	-1.000089E-05	-9.999112E-06	-8.008 ppm	17 ppm	PASS 5.42 %
-5 µADC	-5.00000E-06 A	-4.9999472E-06 A	71.82 ppm	-5.000479E-06	-4.999521E-06	-10.568 ppm	24 ppm	PASS 6.98 %
Zero 000 µADC	0	-3.5212653E-11						INFO
50 µADC	5.00000E-05 A	4.9999752E-05 A	71.82 ppm	4.999531E-05	5.000469E-05	-4.961 ppm	22 ppm	PASS 3.30 %
100 µADC	1.00000E-04 A	9.9999572E-05 A	71.82 ppm	9.999122E-05	0.0001000088	-4.276 ppm	16 ppm	PASS 2.91 %
-100 µADC	-1.00000E-04 A	-9.9999646E-05 A	71.82 ppm	-0.0001000088	-9.999122E-05	-3.541 ppm	16 ppm	PASS 2.41 %
-50 µADC	-5.00000E-05 A	-4.9999890E-05 A	71.82 ppm	-5.000469E-05	-4.999531E-05	-2.209 ppm	22 ppm	PASS 1.47 %
Zero mADC	0	4.0834814E-11						INFO
0.5 mADC	5.00000E-04 A	4.9999575E-04 A	33.64 ppm	0.0004999742	0.0005000258	-8.494 ppm	18 ppm	PASS 11.13 %
1.0 mADC	1.00000E-03 A	9.9999229E-04 A	33.64 ppm	0.0009999524	0.001000048	-7.712 ppm	14 ppm	PASS 10.58 %
-1.0 mADC	-1.00000E-03 A	-9.9999396E-04 A	33.64 ppm	-0.001000048	-0.0009999524	-6.039 ppm	14 ppm	PASS 8.29 %
-0.5 mADC	-5.00000E-04 A	-4.9999647E-04 A	33.64 ppm	-0.0005000258	-0.0004999742	-7.066 ppm	18 ppm	PASS 9.26 %
Zero 00 mADC	0	9.7550189E-12						INFO
5 mADC	5.00000E-03 A	4.9999841E-03 A	32.27 ppm	0.004999749	0.005000251	-3.187 ppm	18 ppm	PASS 4.31 %
10 mADC	1.00000E-02 A	9.9999534E-03 A	32.27 ppm	0.009999537	0.01000046	-4.656 ppm	14 ppm	PASS 6.62 %
-10 mADC	-1.00000E-02 A	-9.9999362E-03 A	32.27 ppm	-0.01000046	-0.009999537	-6.382 ppm	14 ppm	PASS 9.07 %
-5 mADC	-5.00000E-03 A	-4.9999640E-03 A	32.27 ppm	-0.005000251	-0.004999749	-7.196 ppm	18 ppm	PASS 9.74 %
Zero 000 mADC	0	7.7370045E-11						INFO
50 mADC	5.00000E-02 A	4.9999926E-02 A	53.32 ppm	0.04999568	0.05000432	-1.476 ppm	33 ppm	PASS 1.18 %
100 mADC	1.00000E-01 A	9.9997823E-02 A	53.32 ppm	0.09999177	0.1000082	-21.768 ppm	29 ppm	PASS 17.93 %
-100 mADC	-1.00000E-01 A	-9.9997855E-02 A	53.32 ppm	-0.1000082	-0.09999177	-21.449 ppm	29 ppm	PASS 17.67 %
-50 mADC	-5.00000E-02 A	-4.9999204E-02 A	53.32 ppm	-0.05000432	-0.04999568	-15.916 ppm	33 ppm	PASS 12.69 %
Zero ADC	0	8.0042455E-11						INFO
0.5 ADC	5.00000E-01 A	5.0000008E-01 A	115.22 ppm	0.4998824	0.5001176	0.152 ppm	120 ppm	PASS 0.05 %
1.0 ADC	1.00000E+00 A	9.9999245E-01 A	115.22 ppm	0.9997748	1.000225	-7.548 ppm	110 ppm	PASS 2.37 %
-1.0 ADC	-1.00000E+00 A	-9.9998604E-01 A	115.22 ppm	-1.000225	-0.9997748	-13.959 ppm	110 ppm	PASS 4.38 %
-0.5 ADC	-5.00000E-01 A	-4.9999091E-01 A	115.22 ppm	-0.5001176	-0.4998824	-18.182 ppm	120 ppm	PASS 5.46 %



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	<b>1.0010711E-05 A</b>	0.0160 %	9.9623955e-06	1.00376045e-05	0.1071 %	0.3600 %	INFO
100 µA AC @ 50 Hz	0.0001	<b>9.9986163E-05 A</b>	0.0160 %	9.9893955e-05	0.000100106045	-0.0138 %	0.0900 %	PASS 7.57 %
1.0 mA AC @ 50 Hz	0.001	<b>9.9999062E-04 A</b>	0.0160 %	0.00099903955	0.00100096045	-0.0009 %	0.0800 %	PASS 0.57 %
10 mA AC @ 50 Hz	0.01	<b>9.9999448E-03 A</b>	0.0160 %	0.0099903955	0.0100096045	-0.0006 %	0.0800 %	PASS 0.34 %
100 mA AC @ 50 Hz	0.1	<b>1.0000294E-01 A</b>	0.0133 %	0.099906682	0.100093318	0.0029 %	0.0800 %	PASS 1.81 %
1.0 A AC @ 50 Hz	1.0	<b>9.9998868E-01 A</b>	0.0133 %	0.99886682	1.00113318	-0.0011 %	0.1000 %	PASS 0.56 %
10 µA AC @ 60 Hz	1e-05	<b>1.0007876E-05 A</b>	0.0133 %	9.9626682e-06	1.00373318e-05	0.0788 %	0.3600 %	INFO
100 µA AC @ 60 Hz	0.0001	<b>9.9989524E-05 A</b>	0.0133 %	9.9896682e-05	0.000100103318	-0.0105 %	0.0900 %	PASS 5.76 %
1.0 mA AC @ 60 Hz	0.001	<b>1.0000312E-03 A</b>	0.0129 %	0.00099907136	0.00100092864	0.0031 %	0.0800 %	PASS 1.93 %
10 mA AC @ 60 Hz	0.01	<b>1.0000208E-02 A</b>	0.0129 %	0.0099907136	0.0100092864	0.0021 %	0.0800 %	PASS 1.28 %
100 mA AC @ 60 Hz	0.1	<b>1.0000576E-01 A</b>	0.0288 %	0.099891182	0.100108818	0.0058 %	0.0800 %	PASS 3.38 %
1.0 A AC @ 60 Hz	1.0	<b>1.0000210E+00 A</b>	0.0288 %	0.99871182	1.00128818	0.0021 %	0.1000 %	PASS 1.01 %
10 µA AC @ 1.0 kHz	1e-05	<b>1.0010251E-05 A</b>	0.0160 %	9.9623955e-06	1.00376045e-05	0.1025 %	0.3600 %	INFO
100 µA AC @ 1.0 kHz	0.0001	<b>9.9980567E-05 A</b>	0.0160 %	9.9893955e-05	0.000100106045	-0.0194 %	0.0900 %	PASS 10.63 %
1.0 mA AC @ 1.0 kHz	0.001	<b>1.0000722E-03 A</b>	0.0160 %	0.00099933955	0.00100066045	0.0072 %	0.0500 %	PASS 6.88 %
10 mA AC @ 1.0 kHz	0.01	<b>1.0000726E-02 A</b>	0.0160 %	0.0099933955	0.0100066045	0.0073 %	0.0500 %	PASS 6.91 %
100 mA AC @ 1.0 kHz	0.1	<b>1.0001170E-01 A</b>	0.0133 %	0.099936682	0.100063318	0.0117 %	0.0500 %	PASS 11.30 %
1.0 A AC @ 1.0 kHz	1.0	<b>1.0001104E+00 A</b>	0.0133 %	0.99866682	1.00133318	0.0110 %	0.1200 %	PASS 4.57 %

Test date	22 December 2019 17:52
UUT Internal TEMP?	36.8
Destructive overloads?	310, DESTRUCTIVE OVERLOADS valid 2941

Lab temperature maintained +24°C ±2°C

Internal use only

Not validated