

[SAMPLE] Calibration Performance Test Data



12211 Technology Blvd.
Austin, TX 78727
512.249.3400
www.aiworldwide.com

Device Information

Type: DVM1100
Serial Number: SAMPLE123
Firmware Revision: 1.0
Ambient Temperature: 23.3°C
Date: 08/31/2016 07:23:23 AM
Calibration Mode: Verify and Adjust

Calibration Standard

Type: FLUKE 5502A Multi-Product Calibrator
Tracking Number: 2597801
Calibration Due Date: 10/1/2016

Customer Information

Work Order Number:
Name:
Address:

Calibration Results

DC Voltage – Input Terminal

Calibration		As Found				As Left			
Range	Test Value (V)	Low Limit (V)	Reading (V)	High Limit (V)	Pass/Fail	Low Limit (V)	Reading (V)	High Limit (V)	Pass/Fail
5V	4.8750	4.873531	4.874615	4.876469	Passed	4.873531	4.874615	4.876469	Passed
5V	4.5000	4.498625	4.499705	4.501375	Passed	4.498625	4.499705	4.501375	Passed
5V	4.0000	3.998750	3.999771	4.001250	Passed	3.998750	3.999771	4.001250	Passed
5V	3.1250	3.123969	3.124826	3.126031	Passed	3.123969	3.124826	3.126031	Passed
5V	1.8750	1.874281	1.874893	1.875719	Passed	1.874281	1.874893	1.875719	Passed
5V	0.6250	0.624594	0.624947	0.625406	Passed	0.624594	0.624947	0.625406	Passed
5V	0.0000	-0.000250	-0.000021	0.000250	Passed	-0.000250	-0.000021	0.000250	Passed
5V	-0.6250	-0.625406	-0.625004	-0.624594	Passed	-0.625406	-0.625004	-0.624594	Passed
5V	-1.8750	-1.875719	-1.874952	-1.874281	Passed	-1.875719	-1.874952	-1.874281	Passed
5V	-3.1250	-3.126031	-3.124889	-3.123969	Passed	-3.126031	-3.124889	-3.123969	Passed
5V	-4.0000	-4.001250	-3.999865	-3.998750	Passed	-4.001250	-3.999865	-3.998750	Passed
5V	-4.5000	-4.501375	-4.499845	-4.498625	Passed	-4.501375	-4.499845	-4.498625	Passed
5V	-4.8750	-4.876469	-4.874825	-4.873531	Passed	-4.876469	-4.874825	-4.873531	Passed
250V	243.7500	243.676563	243.795921	243.823438	Passed	243.676563	243.795921	243.823438	Passed
250V	225.0000	224.931250	225.041567	225.068750	Passed	224.931250	225.041567	225.068750	Passed
250V	200.0000	199.937500	200.035186	200.062500	Passed	199.937500	200.035186	200.062500	Passed
250V	156.2500	156.198438	156.277397	156.301562	Passed	156.198438	156.277397	156.301562	Passed
250V	93.7500	93.714062	93.765051	93.785938	Passed	93.714062	93.765051	93.785938	Passed
250V	31.2500	31.229688	31.254332	31.270313	Passed	31.229688	31.254332	31.270313	Passed
250V	0.0000	-0.012500	-0.000809	0.012500	Passed	-0.012500	-0.000809	0.012500	Passed
250V	-31.2500	-31.270313	-31.256621	-31.229688	Passed	-31.270313	-31.256621	-31.229688	Passed
250V	-93.7500	-93.785938	-93.766196	-93.714062	Passed	-93.785938	-93.766196	-93.714062	Passed
250V	-156.2500	-156.301562	-156.276326	-156.198438	Passed	-156.301562	-156.276326	-156.198438	Passed

250V	-200.0000	-200.062500	-200.034170	-199.937500	Passed	-200.062500	-200.034170	-199.937500	Passed
250V	-225.0000	-225.068750	-225.035107	-224.931250	Passed	-225.068750	-225.035107	-224.931250	Passed
250V	-243.7500	-243.823438	-243.786928	-243.676563	Passed	-243.823438	-243.786928	-243.676563	Passed

DC Voltage – Shunt Terminal

Calibration		As Found				As Left			
Range	Test Value (V)	Low Limit (V)	Reading (V)	High Limit (V)	Pass/Fail	Low Limit (V)	Reading (V)	High Limit (V)	Pass/Fail
500mV	0.4875	0.487244	0.487489	0.487756	Passed	0.487244	0.487489	0.487756	Passed
500mV	0.4500	0.449763	0.449994	0.450238	Passed	0.449763	0.449994	0.450238	Passed
500mV	0.4000	0.399788	0.399995	0.400213	Passed	0.399788	0.399995	0.400213	Passed
500mV	0.3125	0.312331	0.312496	0.312669	Passed	0.312331	0.312496	0.312669	Passed
500mV	0.1875	0.187394	0.187498	0.187606	Passed	0.187394	0.187498	0.187606	Passed
500mV	0.0625	0.062456	0.062500	0.062544	Passed	0.062456	0.062500	0.062544	Passed
500mV	0.0000	-0.000013	0.000000	0.000013	Passed	-0.000013	0.000000	0.000013	Passed
500mV	-0.0625	-0.062544	-0.062499	-0.062456	Passed	-0.062544	-0.062499	-0.062456	Passed
500mV	-0.1875	-0.187606	-0.187394	-0.187394	Passed	-0.187606	-0.187394	-0.187394	Passed
500mV	-0.3125	-0.312669	-0.312495	-0.312331	Passed	-0.312669	-0.312495	-0.312331	Passed
500mV	-0.4000	-0.400213	-0.399993	-0.399788	Passed	-0.400213	-0.399993	-0.399788	Passed
500mV	-0.4500	-0.450238	-0.449993	-0.449763	Passed	-0.450238	-0.449993	-0.449763	Passed
500mV	-0.4875	-0.487756	-0.487493	-0.487244	Passed	-0.487756	-0.487493	-0.487244	Passed

AC Voltage – Input Terminal

Calibration		As Found					As Left			
Range	Frequency (Hz)	Test Value (Vrms)	Low Limit (Vrms)	Reading (Vrms)	High Limit (Vrms)	Pass/Fail	Low Limit (Vrms)	Reading (Vrms)	High Limit (Vrms)	Pass/Fail
3.5Vrms	60.0000	0.3500	0.348408	0.349273	0.351593	Passed	0.348408	0.349273	0.351593	Passed
3.5Vrms	60.0000	0.7000	0.697183	0.698613	0.702818	Passed	0.697183	0.698613	0.702818	Passed
3.5Vrms	60.0000	1.0500	1.045958	1.047932	1.054043	Passed	1.045958	1.047932	1.054043	Passed
3.5Vrms	60.0000	1.4000	1.394733	1.397252	1.405268	Passed	1.394733	1.397252	1.405268	Passed
3.5Vrms	60.0000	1.7500	1.743507	1.746552	1.756493	Passed	1.743507	1.746552	1.756493	Passed
3.5Vrms	60.0000	2.1000	2.092283	2.095854	2.107718	Passed	2.092283	2.095854	2.107718	Passed
3.5Vrms	60.0000	2.4500	2.441057	2.445158	2.458942	Passed	2.441057	2.445158	2.458942	Passed
3.5Vrms	60.0000	2.8000	2.789833	2.794441	2.810168	Passed	2.789833	2.794441	2.810168	Passed
3.5Vrms	60.0000	3.1500	3.138608	3.143759	3.161392	Passed	3.138608	3.143759	3.161392	Passed
3.5Vrms	60.0000	3.5000	3.487383	3.493243	3.512618	Passed	3.487383	3.493243	3.512618	Passed
175Vrms	60.0000	17.5000	17.359160	17.467254	17.640840	Passed	17.359160	17.467254	17.640840	Passed
175Vrms	60.0000	35.0000	34.719160	34.937404	35.280840	Passed	34.719160	34.937404	35.280840	Passed
175Vrms	60.0000	52.5000	52.079160	52.404658	52.920840	Passed	52.079160	52.404658	52.920840	Passed
175Vrms	60.0000	70.0000	69.439160	69.871321	70.560840	Passed	69.439160	69.871321	70.560840	Passed
175Vrms	60.0000	87.5000	86.799160	87.339436	88.200840	Passed	86.799160	87.339436	88.200840	Passed
175Vrms	60.0000	105.0000	104.159160	104.804537	105.840840	Passed	104.159160	104.804537	105.840840	Passed
175Vrms	60.0000	122.5000	121.519160	122.270983	123.480840	Passed	121.519160	122.270983	123.480840	Passed
175Vrms	60.0000	140.0000	138.879160	139.736850	141.120840	Passed	138.879160	139.736850	141.120840	Passed
175Vrms	60.0000	157.5000	156.239160	157.204526	158.760840	Passed	156.239160	157.204526	158.760840	Passed
175Vrms	60.0000	175.0000	173.599160	174.670661	176.400840	Passed	173.599160	174.670661	176.400840	Passed

AC Voltage – Shunt Terminal

Calibration		As Found					As Left			
Range	Frequency (Hz)	Test Value (Vrms)	Low Limit (Vrms)	Reading (Vrms)	High Limit (Vrms)	Pass/Fail	Low Limit (Vrms)	Reading (Vrms)	High Limit (Vrms)	Pass/Fail
350mVrms	60.0000	0.0350	0.034636	0.034954	0.035364	Passed	0.034636	0.034954	0.035364	Passed
350mVrms	60.0000	0.0700	0.069356	0.069907	0.070644	Passed	0.069356	0.069907	0.070644	Passed
350mVrms	60.0000	0.1050	0.104076	0.104861	0.105924	Passed	0.104076	0.104861	0.105924	Passed
350mVrms	60.0000	0.1400	0.138796	0.139812	0.141204	Passed	0.138796	0.139812	0.141204	Passed
350mVrms	60.0000	0.1750	0.173516	0.174764	0.176484	Passed	0.173516	0.174764	0.176484	Passed
350mVrms	60.0000	0.2100	0.208236	0.209689	0.211764	Passed	0.208236	0.209689	0.211764	Passed
350mVrms	60.0000	0.2450	0.242956	0.244597	0.247044	Passed	0.242956	0.244597	0.247044	Passed
350mVrms	60.0000	0.2800	0.277676	0.279502	0.282324	Passed	0.277676	0.279502	0.282324	Passed

350mVrms	60.0000	0.3150	0.312396	0.314422	0.317604	Passed	0.312396	0.314422	0.317604	Passed
350mVrms	60.0000	0.3500	0.347116	0.349506	0.352884	Passed	0.347116	0.349506	0.352884	Passed

For demonstration only