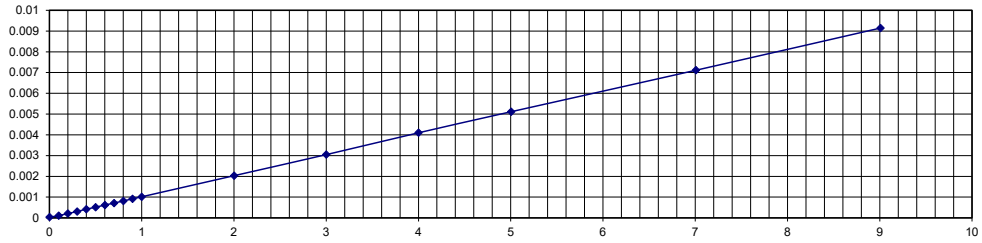


# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

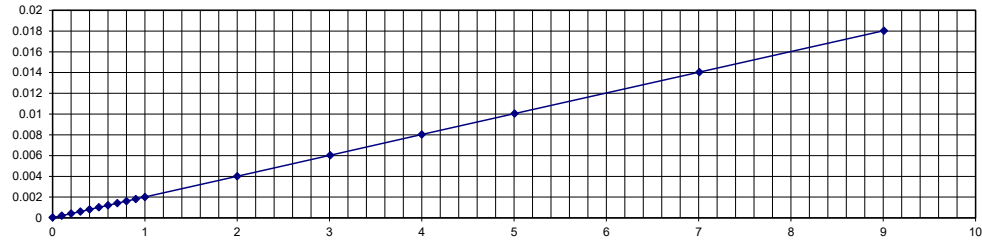
<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	1
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00146186	0.00146186	3.47237E-05	0.000734272	-0.001460787	102.3770512	42.09984183	95.79001582
0.1A	0.10019254	0.10019254	0.000107219	0.001005425	-0.001361124	107.8772267	934.4677174	6.553228264
0.2A	0.200204776	0.200204776	0.000207774	0.000999158	-0.001261824	116.4661354	963.5715451	3.642845489
0.3A	0.300399315	0.300399315	0.000307884	0.001122146	-0.001124768	127.373091	975.6904291	2.430957086
0.4A	0.400234528	0.400234528	0.000419914	0.000932512	-0.001088637	138.5724199	953.1355304	4.686446963
0.5A	0.499859787	0.499859787	0.000512815	0.001047307	-0.000938354	154.6505433	974.73651	2.526349005
0.6A	0.600930106	0.600930106	0.000618667	0.000945555	-0.000893648	169.2293922	971.3305313	2.866946867
0.7A	0.700171528	0.700171528	0.000712505	0.001030305	-0.00074047	196.223322	982.6897467	1.731025327
0.8A	0.801179713	0.801179713	0.000816574	0.000987103	-0.000671013	221.6927658	981.1472785	1.885272146
0.9A	0.900628027	0.900628027	0.00091474	0.001016419	-0.000546445	267.3985357	984.5725604	1.542743957
1A	1.00040882	1.00040882	0.001016159	0.001015525	-0.000445921	327.8790052	984.5000378	1.549996224
2A	2.00291639	2.00291639	0.00203423	0.001015565	0.000572232	-255.4903898	984.6065069	1.539349306
3A	3.00141737	3.00141737	0.003048273	0.001051423	0.001693898	-79.95612019	984.628714	1.537128602
4A	4.00155786	0.040015579	0.004099844	0.001011699	0.002586512	-58.50861106	976.0269419	2.397305809
5A	5.00477741	0.050047774	0.0051148	0.000997499	0.0035304	-44.87876927	978.4894025	2.15105975
7A	7.00743612	0.035037181	0.00711245	0.001016302	0.00565981	-25.6658726	985.2352432	1.476475677
9A	9.0080186	0.045040093	0.009145645	0.001015278	0.007683785	-19.02526179	984.9516591	1.504834095

# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	2
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.001471966	0.001471966	3.32928E-05	0.001761324	-0.001469373	102.2657826	88.42546832	91.15745317
0.1A	0.099808391	0.099808391	0.000206495	0.002086171	-0.001263748	116.3398897	966.6903772	3.330962284
0.2A	0.200488925	0.200488925	0.000416532	0.001894426	-0.001092154	138.1385618	962.658186	3.734181401
0.3A	0.300812066	0.300812066	0.000606587	0.002018514	-0.000864772	170.1440886	991.8189626	0.818103742
0.4A	0.400651384	0.400651384	0.000808114	0.00209691	-0.000631835	227.8993809	991.5718478	0.842815216
0.5A	0.500925401	0.500925401	0.001018379	0.001880297	-0.000530077	292.1191935	983.769792	1.623020798
0.6A	0.601138716	0.601138716	0.00120681	0.002081685	-0.000220584	647.0975743	996.2440505	0.375594952
0.7A	0.701809328	0.701809328	0.001416375	0.001978228	-8.36267E-05	1793.687704	990.9939055	0.900609448
0.8A	0.800458	0.800458	0.001611524	0.002068179	0.000183525	-778.0959893	993.4172693	0.658273069
0.9A	0.901152003	0.901152003	0.001819777	0.001951056	0.000286232	-535.7693712	990.3980325	0.960196754
1A	1.00103554	1.00103554	0.002014656	0.001995587	0.000525688	-283.2420248	993.7534094	0.624659058
2A	2.00084796	2.00084796	0.004009868	0.002009444	0.002548627	-57.33443184	997.9619729	0.203802712
3A	3.00705315	3.00705315	0.006031782	0.002015703	0.004589362	-31.4296423	997.0696469	0.293035314
4A	4.00083637	0.040008364	0.008034954	0.002002609	0.006540146	-22.85586861	995.8579724	0.414202758
5A	5.00643311	0.050064331	0.010048771	0.001996896	0.008525361	-17.86915236	996.4269382	0.357306178
7A	7.00677046	0.035033852	0.014043237	0.00199708	0.012521117	-12.15642534	997.8853821	0.211461788
9A	9.0062308	0.045031154	0.01803632	0.002002649	0.016564354	-8.88634454	998.6772246	0.132277541

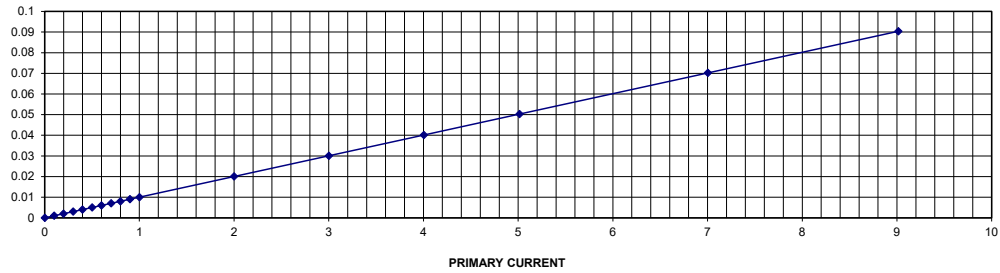
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>URNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	10
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

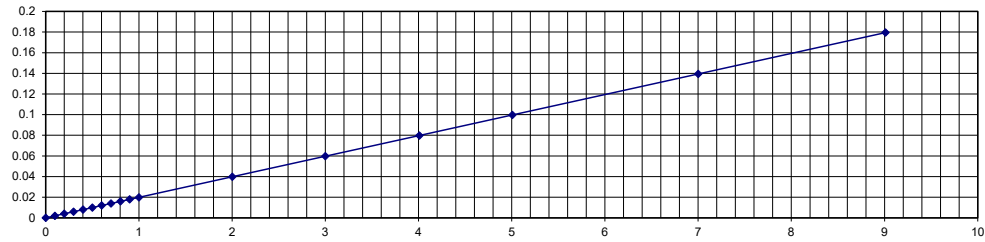


Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.001461672	0.001461672	4.65914E-05	0.009860599	-0.001447259	103.219286	313.721367	68.6278633
0.1A	0.100509005	0.100509005	0.001023257	0.010020794	-0.000454492	325.1428935	982.245526	1.775444736
0.2A	0.199527454	0.199527454	0.002015501	0.009904915	0.00051463	-291.6407889	989.9646038	1.003539621
0.3A	0.30185485	0.30185485	0.003029045	0.010126068	0.00159493	-89.91709249	996.5347065	0.346529348
0.4A	0.399597978	0.399597978	0.004018799	0.009978386	0.002525671	-59.11808528	994.3219896	0.56780104
0.5A	0.500910375	0.500910375	0.005029733	0.009946858	0.003520812	-42.85719218	995.8985813	0.410141868
0.6A	0.600138587	0.600138587	0.006016742	0.010043118	0.00456559	-31.78453003	997.447818	0.255218203
0.7A	0.701346076	0.701346076	0.007033318	0.01006823	0.005599641	-25.60056034	997.1961902	0.280380976
0.8A	0.799575029	0.799575029	0.008022172	0.009961884	0.006503601	-23.34969357	996.7063983	0.329360173
0.9A	0.900639523	0.900639523	0.009028965	0.009974227	0.00752151	-20.04191086	997.5003048	0.249969518
1A	1.00065685	1.00065685	0.01002656	0.010015338	0.008560244	-17.12937482	998.0061059	0.199389414
2A	2.00054029	2.00054029	0.020040731	0.010030067	0.018603881	-7.723390149	998.2371851	0.176281494
3A	3.00080262	3.00080262	0.030073429	0.010021089	0.028609637	-5.116429866	997.8252231	0.217477693
4A	4.0047508	0.040047508	0.040134083	0.010052437	0.038795831	-3.449473653	997.8428534	0.215714658
5A	5.01389865	0.050138987	0.050278478	0.010017861	0.048766867	-3.099668726	997.225624	0.277437595
7A	7.0028677	0.035014339	0.070203693	0.010030867	0.068783162	-2.065230753	997.5070243	0.249297569
9A	9.01470858	0.045073543	0.090384201	0.010026303	0.088922529	-1.643759436	997.3765813	0.262341865

# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb



## TEST SETUP

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	20
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.001461633	0.001461633	4.56646E-05	0.019865075	-0.001432598	103.1875393	640.1600656	35.98399344
0.1A	0.099725293	0.099725293	0.00199768	0.019891775	0.00052208	-282.6386155	998.4112888	0.158871122
0.2A	0.199993624	0.199993624	0.003992195	0.01975871	0.002489983	-60.33020422	1001.923195	-0.192319527
0.3A	0.298684031	0.298684031	0.00594219	0.019862782	0.004471063	-32.90330472	1005.299519	-0.529951932
0.4A	0.400299956	0.400299956	0.007960565	0.019933649	0.006517806	-22.1356592	1005.707424	-0.570742418
0.5A	0.500430111	0.500430111	0.009956524	0.019798032	0.008445898	-17.88590981	1005.230548	-0.523054826
0.6A	0.601009781	0.601009781	0.011947804	0.019869996	0.010480429	-14.00109288	1006.059015	-0.605901485
0.7A	0.700604323	0.700604323	0.013926747	0.019915478	0.012491237	-11.49213893	1006.127745	-0.612774545
0.8A	0.803323742	0.803323742	0.015972453	0.019945885	0.01456137	-9.690592992	1005.886487	-0.588648712
0.9A	0.901481967	0.901481967	0.017930306	0.019737987	0.016331807	-9.787645526	1005.539975	-0.553997464
1A	1.00075796	1.00075796	0.019889814	0.019924899	0.018478368	-7.638369427	1006.301969	-0.630196938
2A	2.00163742	2.00163742	0.039832236	0.019907641	0.038386246	-3.766948137	1005.033913	-0.503391268
3A	3.00101694	3.00101694	0.059727525	0.019899644	0.058257536	-2.523261003	1004.902488	-0.49024884
4A	4.00888901	0.04008889	0.079783821	0.019950601	0.078518114	-1.611993658	1004.937837	-0.493783698
5A	5.00795245	0.050079525	0.099715737	0.019919538	0.098294467	-1.445931195	1004.445756	-0.444575563
7A	7.00046746	0.035002337	0.139405716	0.019944002	0.138155706	-0.904783646	1004.330046	-0.433004627
9A	9.01060968	0.045053048	0.179495997	0.019920516	0.178034364	-0.820983724	1003.990042	-0.399004218

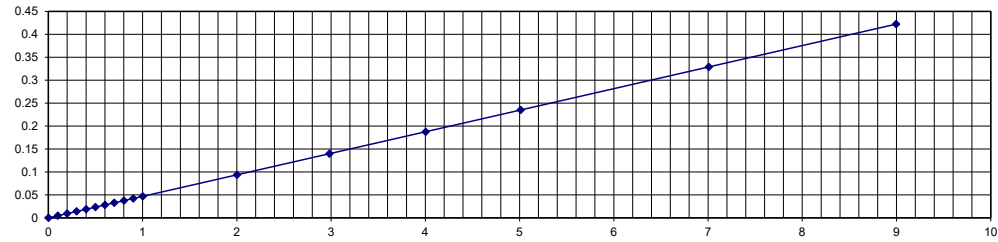
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	47
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00148434	0.00148434	7.3871E-05	0.04681401	-0.001414852	105.2211094	944.4031298	5.5968702
0.1A	0.100261882	0.100261882	0.004698044	0.046849673	0.003212897	-46.22454605	1003.036303	-0.303630292
0.2A	0.199307781	0.199307781	0.009338312	0.046720102	0.00782734	-19.30376816	1003.12197	-0.312196976
0.3A	0.299717899	0.299717899	0.014029483	0.046744318	0.012525769	-12.00495944	1004.081302	-0.40813018
0.4A	0.400184009	0.400184009	0.018725703	0.046751283	0.017224776	-8.713763881	1004.429523	-0.442952263
0.5A	0.500350777	0.500350777	0.023408627	0.046944551	0.022004403	-6.381561437	1004.607665	-0.460766525
0.6A	0.600558141	0.600558141	0.028112817	0.046899887	0.026681769	-5.363391293	1004.0343	-0.403429961
0.7A	0.699688418	0.699688418	0.032762016	0.046817873	0.031273584	-4.759391684	1003.764718	-0.376471785
0.8A	0.801043032	0.801043032	0.037507223	0.04683119	0.036029459	-4.101544961	1003.780584	-0.378058389
0.9A	0.900897379	0.900897379	0.042183521	0.046985894	0.040845129	-3.27674806	1003.76108	-0.376108036
1A	1.00069714	1.00069714	0.046872702	0.046940127	0.045488511	-3.042945769	1003.414853	-0.341485284
2A	2.00194119	2.00194119	0.093871225	0.046918861	0.092444462	-1.543373905	1002.343749	-0.234374942
3A	2.98358278	2.98358278	0.139928731	0.046873193	0.13836571	-1.129630003	1002.141516	-0.214151631
4A	4.00447646	0.040044765	0.187781277	0.047021296	0.186811333	-0.519210414	1002.285194	-0.228519385
5A	5.01182477	0.050118248	0.2351481	0.047022856	0.234185974	-0.410838237	1001.733649	-0.173364867
7A	7.00840248	0.035042012	0.329032886	0.04691699	0.327328807	-0.520601737	1001.100287	-0.110028686
9A	8.99528062	0.044976403	0.422251227	0.046941418	0.420766887	-0.352770062	1001.247982	-0.12479825

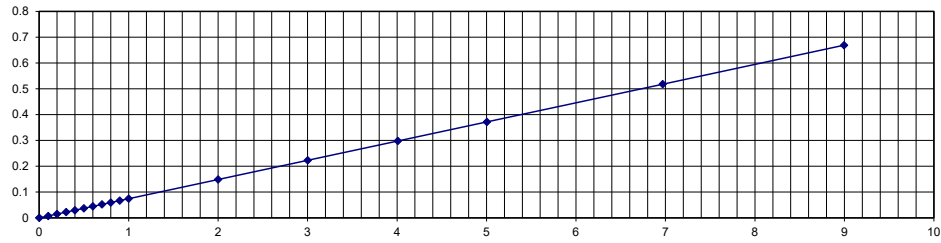
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	75
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00149842	0.00149842	0.000113225	0.074286399	-0.001387108	108.1626606	992.5511053	0.744889467
0.1A	0.100545447	0.100545447	0.007471072	0.073846856	0.005926545	-26.06116109	1009.347603	-0.934760311
0.2A	0.200458855	0.200458855	0.014849363	0.073969903	0.013329502	-11.40223139	1012.46189	-1.246188978
0.3A	0.302206314	0.302206314	0.022375613	0.074097243	0.020894235	-7.089887866	1012.95432	-1.295432013
0.4A	0.400757503	0.400757503	0.029677984	0.074417757	0.028325054	-4.7764414	1012.764635	-1.276463468
0.5A	0.500629596	0.500629596	0.037110241	0.074034322	0.035565353	-4.34380178	1011.775146	-1.177514578
0.6A	0.600598477	0.600598477	0.04451137	0.074430281	0.043204294	-3.025338081	1011.986067	-1.19860674
0.7A	0.702176785	0.702176785	0.052071872	0.074176723	0.050586753	-2.935784556	1011.357137	-1.135713693
0.8A	0.799665901	0.799665901	0.059303295	0.07435019	0.057956892	-2.32311095	1011.325642	-1.132564183
0.9A	0.901077724	0.901077724	0.066843283	0.074310067	0.065460726	-2.112040108	1011.033963	-1.103396283
1A	1.00104663	1.00104663	0.074271979	0.074401663	0.072981114	-1.768765528	1010.858983	-1.085898289
2A	2.00060575	2.00060575	0.14864084	0.074393805	0.147334254	-0.886817873	1009.449565	-0.94495648
3A	3.00186258	3.00186258	0.223128145	0.074246883	0.221380521	-0.789420871	1009.015216	-0.901521635
4A	4.00880684	0.040088068	0.297890618	0.074395672	0.296739459	-0.3879358	1009.298363	-0.929836266
5A	5.00456553	0.050045655	0.371970755	0.074255858	0.370119886	-0.50007277	1009.064314	-0.906431407
7A	6.96998374	0.034849919	0.51791457	0.074643718	0.518767082	0.164334249	1009.333992	-0.933399209
9A	8.9957507	0.044978754	0.669125348	0.07438238	0.667626928	-0.22443969	1008.303309	-0.830330896

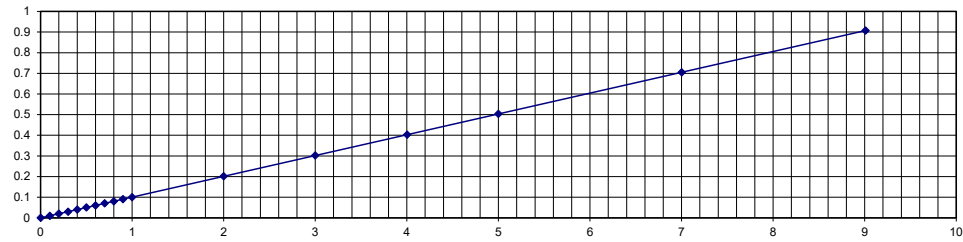
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	100
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

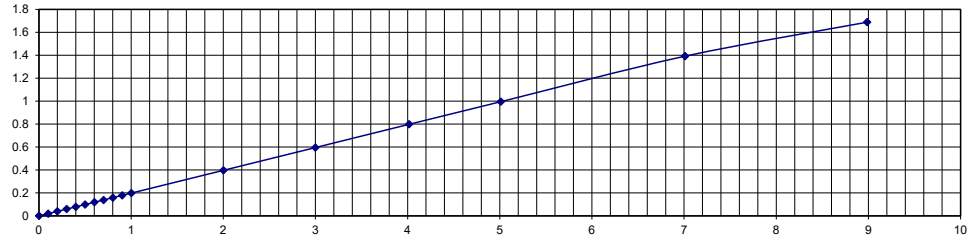


Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00147989	0.00147989	0.000151281	0.100103192	-0.001331748	111.3595546	978.2412822	2.175871784
0.1A	0.100541761	0.100541761	0.01006769	0.100186625	0.00859305	-17.16084904	998.6576762	0.134232378
0.2A	0.200033491	0.200033491	0.020035431	0.100073416	0.018538145	-8.076782932	998.3987517	0.160124832
0.3A	0.300783427	0.300783427	0.030117821	0.10026042	0.028676783	-5.025104526	998.6892013	0.131079868
0.4A	0.400829314	0.400829314	0.040148464	0.100620674	0.038851826	-3.3373921	998.3677507	0.163224926
0.5A	0.501526952	0.501526952	0.050280728	0.100420011	0.048883452	-2.858381891	997.4536427	0.254635733
0.6A	0.600469646	0.600469646	0.060216554	0.100716315	0.0589972	-2.066799964	997.1836997	0.281633019
0.7A	0.699983837	0.699983837	0.070239257	0.100572363	0.068919139	-1.915459426	996.5706756	0.342932444
0.8A	0.800792417	0.800792417	0.080377814	0.100524023	0.079018985	-1.719622859	996.2853891	0.371461085
0.9A	0.90026651	0.90026651	0.09037735	0.100627929	0.089112065	-1.419880567	996.119614	0.388038596
1A	1.00050388	1.00050388	0.100464029	0.10075909	0.09932997	-1.141708535	995.8826955	0.411730451
2A	2.00054137	2.00054137	0.201226896	0.100705174	0.199984977	-0.621006117	994.171957	0.582804299
3A	3.00029882	3.00029882	0.301907644	0.100754646	0.300814156	-0.363509549	993.780343	0.621965703
4A	4.00266545	0.040026655	0.402900739	0.100787037	0.401936899	-0.239798809	993.4619281	0.65380719
5A	5.00031293	0.050003129	0.503450672	0.100817309	0.502638205	-0.161640523	993.2081151	0.679188487
7A	7.00197644	0.035009882	0.705253001	0.100719475	0.7037555	-0.212787147	992.8318533	0.716814674
9A	9.00902244	0.045045112	0.90740162	0.10072143	0.90592173	-0.163357355	992.8373767	0.716262332

# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb



TEST SETUP	
<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	200
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.001462379	0.001462379	0.000148757	0.19861402	-0.00117193	112.6933081	1966.135447	-96.6135447
0.1A	0.100299604	0.100299604	0.019779215	0.196441483	0.018240624	-8.434969387	1014.191943	-1.41919432
0.2A	0.200165207	0.200165207	0.039396963	0.197345377	0.038039299	-3.56910638	1016.145379	-1.614537923
0.3A	0.299785637	0.299785637	0.059056594	0.19815648	0.057942088	-1.923482526	1015.248655	-1.524865459
0.4A	0.400684362	0.400684362	0.07905033	0.198098342	0.077912529	-1.460356903	1013.744945	-1.374494452
0.5A	0.500694458	0.500694458	0.098862164	0.198636776	0.097993954	-0.885983079	1012.914217	-1.291421658
0.6A	0.601130662	0.601130662	0.118812488	0.198269463	0.117723475	-0.925060215	1011.898113	-1.189811293
0.7A	0.700495444	0.700495444	0.13851349	0.198261479	0.137418884	-0.796546864	1011.447252	-1.144725182
0.8A	0.801249262	0.801249262	0.158489091	0.198509898	0.15759353	-0.568272541	1011.109669	-1.110966937
0.9A	0.902364734	0.902364734	0.178561513	0.198651916	0.177794104	-0.431627646	1010.704624	-1.070462368
1A	1.00157902	1.00157902	0.198270621	0.198810831	0.197662378	-0.307718032	1010.315109	-1.031510866
2A	2.00146189	2.00146189	0.397058165	0.198876193	0.396580743	-0.120384599	1008.145439	-0.814543884
3A	3.0000722	3.0000722	0.595657982	0.199409509	0.596780545	0.188103148	1007.31369	-0.731369029
4A	4.01704925	0.040170493	0.798452876	0.198138723	0.79447063	-0.501245165	1006.208224	-0.620822361
5A	5.01188781	0.050118878	0.995568918	0.198496031	0.993377459	-0.220606885	1006.838948	-0.683894794
7A	7.01126402	0.03505632	1.39243716	0.149921965	1.049680099	-32.65347813	1007.049255	-0.704925456
9A	8.98688434	0.044934422	1.68862604	0.18789894	1.687163661	-0.086676758	1064.401961	-6.440196078



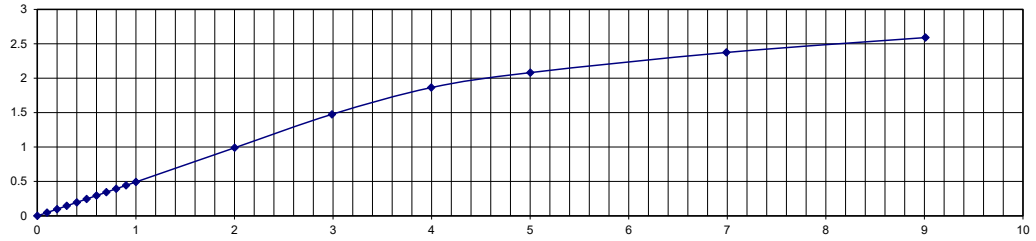
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	500
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.001483328	0.001483328	0.000298602	0.48828648	-0.000759039	139.3394636	2483.788877	-148.3788877
0.1A	0.099815141	0.099815141	0.048312697	0.488828961	0.047309204	-2.121136164	1033.011481	-3.301148143
0.2A	0.200170688	0.200170688	0.097369395	0.49125677	0.096851878	-0.534338144	1027.893255	-2.789325549
0.3A	0.299271316	0.299271316	0.146053249	0.492115845	0.145792829	-0.178623378	1024.528102	-2.452810208
0.4A	0.400313909	0.400313909	0.19577791	0.492980504	0.195863625	0.043762803	1022.367409	-2.236740856
0.5A	0.500596605	0.500596605	0.245215324	0.493803509	0.245713033	0.202556858	1020.728633	-2.072863317
0.6A	0.600943559	0.600943559	0.294767002	0.494539099	0.295706759	0.317800151	1019.353515	-1.935351468
0.7A	0.70039207	0.70039207	0.343948179	0.494908436	0.345146617	0.347225681	1018.165109	-1.816510853
0.8A	0.800402703	0.800402703	0.393444285	0.494545772	0.394352445	0.230291569	1017.174138	-1.717413814
0.9A	0.900423006	0.900423006	0.442908903	0.495791338	0.444938599	0.456174443	1016.487815	-1.648781488
1A	1.00059094	1.00059094	0.492571297	0.496048014	0.494857821	0.462056718	1015.68133	-1.568132988
2A	2.00184973	2.00184973	0.989243731	0.492346346	0.984120073	-0.520633471	1011.808146	-1.180814559
3A	2.98936316	2.98936316	1.47544236	0.385889242	1.152079755	-28.06772739	1013.039628	-1.303962833
4A	3.99608892	0.039960889	1.863927	0.216439478	0.863428071	-115.8751913	1071.954245	-7.195424499
5A	5.00224035	0.050022404	2.08169789	0.147175511	0.734723953	-183.3306143	1201.480862	-20.14808619
7A	6.99115724	0.034955786	2.37441775	0.107120254	0.747411211	-217.6855946	1472.183494	-47.21834942
9A	9.01109532	0.045055477	2.59079403	0.287511555	2.589310702	-0.057286579	1739.060538	-73.90605381

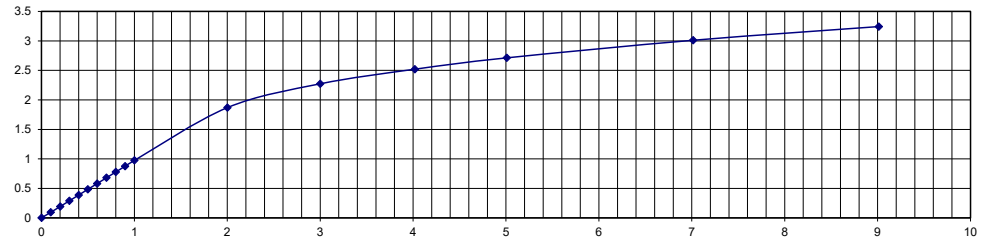
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8410-1000-A
<b>Lot #:</b>	31539
<b>TURNS/RATIO:</b>	1000
<b>DATE:</b>	August 3, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	7
<b>Burden (Ohms):</b>	1000
<b>MEASUREMENT CT TURNS RATIO:</b>	1000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.001486092	0.001486092	0.001522059	0.94169197	-8.66511E-05	1856.536573	976.3700161	2.362998392
0.1A	0.099248816	0.099248816	0.09358443	0.968339811	0.094620487	1.094960489	1060.527008	-6.052700848
0.2A	0.201405925	0.201405925	0.192507226	0.974310518	0.194745819	1.149494662	1046.225273	-4.62252726
0.3A	0.300538676	0.300538676	0.289093308	0.976902107	0.292110773	1.032986709	1039.590567	-3.959056707
0.4A	0.400089185	0.400089185	0.38634441	0.977887509	0.389756124	0.875345849	1035.576482	-3.557648213
0.5A	0.499372752	0.499372752	0.48343257	0.97851488	0.487157576	0.764640918	1032.972917	-3.297291699
0.6A	0.600341702	0.600341702	0.58223219	0.97960822	0.586613574	0.746894358	1031.103591	-3.110359116
0.7A	0.700014413	0.700014413	0.679872397	0.979292775	0.684032965	0.608240806	1029.626171	-2.962617116
0.8A	0.800447474	0.800447474	0.778225768	0.977995978	0.781348318	0.399636063	1028.554318	-2.855431793
0.9A	0.900462325	0.900462325	0.87603989	0.97837175	0.879500808	0.393509398	1027.878223	-2.787822253
1A	1.00133068	1.00133068	0.974726639	0.894785955	0.894490537	-8.97003369	1027.293848	-2.729384828
2A	2.00073251	2.00073251	1.86897736	0.404095826	0.807001564	-131.5952587	1070.495851	-7.049585127
3A	3.00043462	3.00043462	2.27295281	0.242769037	0.726926531	-212.679853	1320.060235	-32.00602348
4A	4.01889477	0.040188948	2.5202034	0.194670496	0.780874144	-222.7413046	1594.670799	-59.46707992
5A	5.00849635	0.050084964	2.71284963	0.148605874	0.742805885	-265.2164967	1846.212298	-84.62122982
7A	7.0143462	0.035071731	3.0109307	0.116217975	0.813707016	-270.0263903	2329.627248	-132.9627248
9A	9.01213734	0.045060687	3.24310994	0.359860244	3.241623848	-0.045844072	2778.856563	-177.8856563