

RTD Temperature Vs. Resistance Table

PLATINUM : PB TCR = 0.00391

$R_0 = 100$

A = 0.0039692 B = -5.8495E-07 C = -4.2325E-12

Values are in Ohms

Temp °F	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-320	19.2076	18.9646	18.7215	18.4783	18.2349	17.9915	17.7479	17.5042	17.2604	
-310	21.6316	21.3897	21.1477	20.9056	20.6633	20.4210	20.1785	19.9360	19.6933	19.4505
-300	24.0449	23.8040	23.5631	23.3220	23.0809	22.8396	22.5982	22.3567	22.1151	21.8734
-290	26.4478	26.2079	25.9680	25.7280	25.4878	25.2476	25.0073	24.7668	24.5263	24.2856
-280	28.8406	28.6018	28.3628	28.1238	27.8847	27.6454	27.4061	27.1667	26.9271	26.6875
-270	31.2238	30.9859	30.7479	30.5098	30.2716	30.0334	29.7950	29.5566	29.3180	29.0794
-260	33.5976	33.3606	33.1236	32.8864	32.6492	32.4118	32.1744	31.9369	31.6993	31.4616
-250	35.9624	35.7263	35.4902	35.2539	35.0175	34.7811	34.5446	34.3080	34.0713	33.8345
-240	38.3185	38.0833	37.8480	37.6126	37.3771	37.1415	36.9059	36.6701	36.4343	36.1984
-230	40.6663	40.4319	40.1974	39.9628	39.7282	39.4934	39.2586	39.0237	38.7887	38.5537
-220	43.0060	42.7723	42.5387	42.3049	42.0710	41.8371	41.6031	41.3690	41.1349	40.9006
-210	45.3379	45.1050	44.8721	44.6391	44.4060	44.1729	43.9396	43.7063	43.4730	43.2395
-200	47.6623	47.4301	47.1980	46.9657	46.7334	46.5010	46.2685	46.0360	45.8033	45.5706
-190	49.9794	49.7480	49.5166	49.2850	49.0534	48.8217	48.5900	48.3582	48.1263	47.8943
-180	52.2896	52.0589	51.8281	51.5973	51.3664	51.1354	50.9043	50.6732	50.4420	50.2108
-170	54.5931	54.3631	54.1330	53.9028	53.6725	53.4422	53.2118	52.9814	52.7509	52.5203
-160	56.8902	56.6607	56.4313	56.2017	55.9721	55.7424	55.5127	55.2829	55.0530	54.8231
-150	59.1810	58.9522	58.7233	58.4944	58.2654	58.0363	57.8072	57.5780	57.3488	57.1195
-140	61.4658	61.2375	61.0093	60.7809	60.5526	60.3241	60.0956	59.8670	59.6384	59.4097
-130	63.7448	63.5171	63.2894	63.0617	62.8338	62.6060	62.3780	62.1501	61.9220	61.6939
-120	66.0182	65.7911	65.5639	65.3367	65.1095	64.8822	64.6548	64.4274	64.1999	63.9724
-110	68.2862	68.0596	67.8330	67.6064	67.3796	67.1529	66.9260	66.6991	66.4722	66.2452
-100	70.5490	70.3230	70.0969	69.8707	69.6445	69.4183	69.1920	68.9656	68.7392	68.5127
-90	72.8068	72.5813	72.3557	72.1300	71.9043	71.6785	71.4527	71.2269	71.0010	70.7750
-80	75.0597	74.8347	74.6095	74.3844	74.1591	73.9339	73.7086	73.4832	73.2578	73.0323
-70	77.3080	77.0834	76.8587	76.6340	76.4092	76.1844	75.9596	75.7347	75.5098	75.2848
-60	79.5516	79.3275	79.1033	78.8790	78.6547	78.4304	78.2060	77.9815	77.7571	77.5325
-50	81.7909	81.5671	81.3434	81.1196	80.8957	80.6718	80.4478	80.2239	79.9998	79.7757
-40	84.0258	83.8025	83.5792	83.3558	83.1323	82.9089	82.6854	82.4618	82.2382	82.0146
-30	86.2566	86.0337	85.8108	85.5878	85.3648	85.1417	84.9186	84.6955	84.4723	84.2491
-20	88.4833	88.2608	88.0383	87.8157	87.5931	87.3704	87.1477	86.9250	86.7022	86.4794
-10	90.7060	90.4839	90.2618	90.0396	89.8174	89.5951	89.3729	89.1505	88.9282	88.7057
-0	92.9249	92.7032	92.4814	92.2596	92.0378	91.8159	91.5940	91.3721	91.1501	90.9281

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	92.9249	93.1466	93.3682	93.5898	93.8114	94.0329	94.2544	94.4758	94.6972	94.9186
10	95.1399	95.3612	95.5825	95.8037	96.0249	96.2461	96.4672	96.6882	96.9093	97.1303
20	97.3513	97.5722	97.7931	98.0139	98.2348	98.4555	98.6763	98.8970	99.1177	99.3383
30	99.5589	99.7795	100.000	100.220	100.441	100.661	100.882	101.102	101.322	101.543
40	101.763	101.983	102.203	102.423	102.644	102.864	103.084	103.304	103.524	103.743
50	103.963	104.183	104.403	104.623	104.843	105.062	105.282	105.501	105.721	105.941
60	106.160	106.380	106.599	106.818	107.038	107.257	107.477	107.696	107.915	108.134
70	108.353	108.572	108.792	109.011	109.230	109.449	109.668	109.886	110.105	110.324
80	110.543	110.762	110.980	111.199	111.418	111.636	111.855	112.073	112.292	112.510
90	112.729	112.947	113.166	113.384	113.602	113.821	114.039	114.257	114.475	114.693
100	114.911	115.129	115.347	115.565	115.783	116.001	116.219	116.437	116.655	116.872
110	117.090	117.308	117.525	117.743	117.961	118.178	118.396	118.613	118.830	119.048
120	119.265	119.482	119.700	119.917	120.134	120.351	120.569	120.786	121.003	121.220
130	121.437	121.654	121.871	122.087	122.304	122.521	122.738	122.955	123.171	123.388
140	123.605	123.821	124.038	124.254	124.471	124.687	124.904	125.120	125.336	125.553
150	125.769	125.985	126.201	126.418	126.634	126.850	127.066	127.282	127.498	127.714
160	127.930	128.145	128.361	128.577	128.793	129.009	129.224	129.440	129.656	129.871
170	130.087	130.302	130.518	130.733	130.949	131.164	131.379	131.595	131.810	132.025
180	132.240	132.455	132.670	132.886	133.101	133.316	133.531	133.745	133.960	134.175
190	134.390	134.605	134.820	135.034	135.249	135.464	135.678	135.893	136.107	136.322
200	136.536	136.751	136.965	137.179	137.394	137.608	137.822	138.037	138.251	138.465
210	138.679	138.893	139.107	139.321	139.535	139.749	139.963	140.177	140.390	140.604
220	140.818	141.032	141.245	141.459	141.673	141.886	142.100	142.313	142.527	142.740
230	142.953	143.167	143.380	143.593	143.807	144.020	144.233	144.446	144.659	144.872
240	145.085	145.298	145.511	145.724	145.937	146.150	146.363	146.575	146.788	147.001
250	147.213	147.426	147.639	147.851	148.064	148.276	148.489	148.701	148.913	149.126
260	149.338	149.550	149.762	149.975	150.187	150.399	150.611	150.823	151.035	151.247
270	151.459	151.671	151.883	152.095	152.306	152.518	152.730	152.942	153.153	153.365
280	153.576	153.788	153.999	154.211	154.422	154.634	154.845	155.056	155.268	155.479
290	155.690	155.901	156.112	156.324	156.535	156.746	156.957	157.168	157.379	157.589
300	157.800	158.011	158.222	158.433	158.643	158.854	159.065	159.275	159.486	159.696
310	159.907	160.117	160.328	160.538	160.748	160.959	161.169	161.379	161.589	161.800
320	162.010	162.220	162.430	162.640	162.850	163.060	163.270	163.480	163.689	163.899
330	164.109	164.319	164.528	164.738	164.948	165.157	165.367	165.576	165.786	165.995

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
340	166.205	166.414	166.623	166.833	167.042	167.251	167.460	167.670	167.879	168.088
350	168.297	168.506	168.715	168.924	169.133	169.342	169.550	169.759	169.968	170.177
360	170.385	170.594	170.803	171.011	171.220	171.428	171.637	171.845	172.054	172.262
370	172.470	172.678	172.887	173.095	173.303	173.511	173.719	173.927	174.135	174.343
380	174.551	174.759	174.967	175.175	175.383	175.591	175.798	176.006	176.214	176.422
390	176.629	176.837	177.044	177.252	177.459	177.667	177.874	178.081	178.289	178.496
400	178.703	178.910	179.118	179.325	179.532	179.739	179.946	180.153	180.360	180.567
410	180.774	180.980	181.187	181.394	181.601	181.807	182.014	182.221	182.427	182.634
420	182.840	183.047	183.253	183.460	183.666	183.872	184.079	184.285	184.491	184.697
430	184.904	185.110	185.316	185.522	185.728	185.934	186.140	186.346	186.552	186.757
440	186.963	187.169	187.375	187.580	187.786	187.992	188.197	188.403	188.608	188.814
450	189.019	189.225	189.430	189.635	189.841	190.046	190.251	190.456	190.661	190.866
460	191.072	191.277	191.482	191.687	191.891	192.096	192.301	192.506	192.711	192.916
470	193.120	193.325	193.530	193.734	193.939	194.143	194.348	194.552	194.757	194.961
480	195.165	195.370	195.574	195.778	195.983	196.187	196.391	196.595	196.799	197.003
490	197.207	197.411	197.615	197.819	198.023	198.226	198.430	198.634	198.838	199.041
500	199.245	199.449	199.652	199.856	200.059	200.263	200.466	200.669	200.873	201.076
510	201.279	201.482	201.686	201.889	202.092	202.295	202.498	202.701	202.904	203.107
520	203.310	203.513	203.716	203.918	204.121	204.324	204.527	204.729	204.932	205.135
530	205.337	205.540	205.742	205.944	206.147	206.349	206.552	206.754	206.956	207.158
540	207.361	207.563	207.765	207.967	208.169	208.371	208.573	208.775	208.977	209.179
550	209.380	209.582	209.784	209.986	210.187	210.389	210.591	210.792	210.994	211.195
560	211.397	211.598	211.800	212.001	212.202	212.403	212.605	212.806	213.007	213.208
570	213.409	213.610	213.811	214.012	214.213	214.414	214.615	214.816	215.017	215.218
580	215.418	215.619	215.820	216.020	216.221	216.422	216.622	216.823	217.023	217.223
590	217.424	217.624	217.824	218.025	218.225	218.425	218.625	218.825	219.026	219.226
600	219.426	219.626	219.826	220.025	220.225	220.425	220.625	220.825	221.025	221.224
610	221.424	221.623	221.823	222.023	222.222	222.422	222.621	222.820	223.020	223.219
620	223.418	223.618	223.817	224.016	224.215	224.414	224.613	224.813	225.012	225.211
630	225.409	225.608	225.807	226.006	226.205	226.404	226.602	226.801	227.000	227.198
640	227.397	227.595	227.794	227.992	228.191	228.389	228.588	228.786	228.984	229.182
650	229.381	229.579	229.777	229.975	230.173	230.371	230.569	230.767	230.965	231.163
660	231.361	231.559	231.756	231.954	232.152	232.349	232.547	232.745	232.942	233.140
670	233.337	233.535	233.732	233.930	234.127	234.324	234.522	234.719	234.916	235.113

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
680	235.310	235.507	235.704	235.901	236.098	236.295	236.492	236.689	236.886	237.083
690	237.280	237.476	237.673	237.870	238.066	238.263	238.459	238.656	238.852	239.049
700	239.245	239.442	239.638	239.834	240.031	240.227	240.423	240.619	240.815	241.011
710	241.207	241.403	241.599	241.795	241.991	242.187	242.383	242.579	242.774	242.970
720	243.166	243.362	243.557	243.753	243.948	244.144	244.339	244.535	244.730	244.925
730	245.121	245.316	245.511	245.707	245.902	246.097	246.292	246.487	246.682	246.877
740	247.072	247.267	247.462	247.657	247.852	248.046	248.241	248.436	248.630	248.825
750	249.020	249.214	249.409	249.603	249.798	249.992	250.187	250.381	250.575	250.770
760	250.964	251.158	251.352	251.546	251.740	251.934	252.128	252.322	252.516	252.710
770	252.904	253.098	253.292	253.486	253.679	253.873	254.067	254.260	254.454	254.647
780	254.841	255.035	255.228	255.421	255.615	255.808	256.001	256.195	256.388	256.581
790	256.774	256.967	257.160	257.353	257.547	257.739	257.932	258.125	258.318	258.511
800	258.704	258.897	259.089	259.282	259.475	259.667	259.860	260.052	260.245	260.437
810	260.630	260.822	261.015	261.207	261.399	261.591	261.784	261.976	262.168	262.360
820	262.552	262.744	262.936	263.128	263.320	263.512	263.704	263.896	264.088	264.279
830	264.471	264.663	264.854	265.046	265.237	265.429	265.621	265.812	266.003	266.195
840	266.386	266.577	266.769	266.960	267.151	267.342	267.534	267.725	267.916	268.107
850	268.298	268.489	268.680	268.870	269.061	269.252	269.443	269.634	269.824	270.015
860	270.206	270.396	270.587	270.777	270.968	271.158	271.349	271.539	271.729	271.920
870	272.110	272.300	272.490	272.681	272.871	273.061	273.251	273.441	273.631	273.821
880	274.011	274.201	274.390	274.580	274.770	274.960	275.149	275.339	275.529	275.718
890	275.908	276.097	276.287	276.476	276.666	276.855	277.044	277.234	277.423	277.612
900	277.801	277.990	278.180	278.369	278.558	278.747	278.936	279.125	279.314	279.502
910	279.691	279.880	280.069	280.257	280.446	280.635	280.823	281.012	281.201	281.389
920	281.577	281.766	281.954	282.143	282.331	282.519	282.708	282.896	283.084	283.272
930	283.460	283.648	283.836	284.024	284.212	284.400	284.588	284.776	284.964	285.151
940	285.339	285.527	285.715	285.902	286.090	286.277	286.465	286.652	286.840	287.027
950	287.215	287.402	287.589	287.777	287.964	288.151	288.338	288.525	288.712	288.899
960	289.086	289.273	289.460	289.647	289.834	290.021	290.208	290.395	290.581	290.768
970	290.955	291.141	291.328	291.514	291.701	291.887	292.074	292.260	292.447	292.633
980	292.819	293.006	293.192	293.378	293.564	293.750	293.936	294.122	294.308	294.494
990	294.680	294.866	295.052	295.238	295.424	295.609	295.795	295.981	296.167	296.352
1000	296.538	296.723	296.909	297.094	297.280	297.465	297.650	297.836	298.021	298.206
1010	298.391	298.577	298.762	298.947	299.132	299.317	299.502	299.687	299.872	300.057

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1020	300.242	300.426	300.611	300.796	300.981	301.165	301.350	301.535	301.719	301.904
1030	302.088	302.273	302.457	302.641	302.826	303.010	303.194	303.379	303.563	303.747
1040	303.931	304.115	304.299	304.483	304.667	304.851	305.035	305.219	305.403	305.587
1050	305.771	305.954	306.138	306.322	306.505	306.689	306.872	307.056	307.239	307.423
1060	307.606	307.790	307.973	308.156	308.340	308.523	308.706	308.889	309.072	309.255
1070	309.438	309.621	309.804	309.987	310.170	310.353	310.536	310.719	310.901	311.084
1080	311.267	311.450	311.632	311.815	311.997	312.180	312.362	312.545	312.727	312.909
1090	313.092	313.274	313.456	313.639	313.821	314.003	314.185	314.367	314.549	314.731
1100	314.913	315.095	315.277	315.459	315.641	315.822	316.004	316.186	316.367	316.549
1110	316.731	316.912	317.094	317.275	317.457	317.638	317.820	318.001	318.182	318.364
1120	318.545	318.726	318.907	319.088	319.269	319.450	319.631	319.812	319.993	320.174
1130	320.355	320.536	320.717	320.898	321.078	321.259	321.440	321.620	321.801	321.982
1140	322.162	322.343	322.523	322.703	322.884	323.064	323.244	323.425	323.605	323.785
1150	323.965	324.145	324.325	324.506	324.686	324.866	325.045	325.225	325.405	325.585
1160	325.765	325.945	326.124	326.304	326.484	326.663	326.843			