

RTD Temperature Vs. Resistance Table

PLATINUM : PA TCR = 0.00392

$R_0 = 100$

A = 0.0039848 B = -5.87E-07 C = -4E-12

Values are in Ohms

Temp °F	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-320	18.9461	18.7027	18.4592	18.2156	17.9719	17.7281	17.4842	17.2401	16.9960	
-310	21.3741	21.1318	20.8893	20.6468	20.4042	20.1614	19.9186	19.6756	19.4325	19.1894
-300	23.7917	23.5504	23.3090	23.0675	22.8259	22.5842	22.3424	22.1004	21.8584	21.6163
-290	26.1993	25.9589	25.7185	25.4780	25.2374	24.9967	24.7559	24.5150	24.2740	24.0329
-280	28.5971	28.3578	28.1183	27.8788	27.6391	27.3994	27.1596	26.9196	26.6796	26.4395
-270	30.9857	30.7472	30.5087	30.2701	30.0314	29.7926	29.5537	29.3147	29.0756	28.8364
-260	33.3652	33.1276	32.8900	32.6522	32.4144	32.1765	31.9385	31.7005	31.4623	31.2240
-250	35.7359	35.4992	35.2625	35.0256	34.7886	34.5516	34.3145	34.0773	33.8400	33.6026
-240	38.0983	37.8624	37.6265	37.3904	37.1543	36.9181	36.6819	36.4455	36.2091	35.9725
-230	40.4525	40.2174	39.9823	39.7471	39.5118	39.2764	39.0409	38.8054	38.5697	38.3340
-220	42.7989	42.5646	42.3302	42.0958	41.8612	41.6266	41.3920	41.1572	40.9224	40.6875
-210	45.1377	44.9041	44.6705	44.4368	44.2030	43.9692	43.7353	43.5013	43.2672	43.0331
-200	47.4692	47.2363	47.0034	46.7705	46.5374	46.3043	46.0711	45.8379	45.6045	45.3711
-190	49.7936	49.5615	49.3293	49.0970	48.8647	48.6323	48.3998	48.1672	47.9346	47.7019
-180	52.1113	51.8799	51.6483	51.4167	51.1851	50.9533	50.7215	50.4897	50.2577	50.0257
-170	54.4225	54.1916	53.9607	53.7298	53.4988	53.2677	53.0366	52.8053	52.5741	52.3427
-160	56.7273	56.4971	56.2668	56.0365	55.8061	55.5756	55.3451	55.1146	54.8839	54.6532
-150	59.0260	58.7964	58.5667	58.3370	58.1072	57.8774	57.6475	57.4175	57.1875	56.9574
-140	61.3188	61.0898	60.8607	60.6316	60.4024	60.1731	59.9438	59.7144	59.4850	59.2555
-130	63.6059	63.3775	63.1489	62.9204	62.6917	62.4631	62.2343	62.0055	61.7767	61.5478
-120	65.8876	65.6596	65.4317	65.2036	64.9756	64.7474	64.5192	64.2910	64.0627	63.8343
-110	68.1639	67.9365	67.7091	67.4816	67.2540	67.0264	66.7987	66.5710	66.3433	66.1154
-100	70.4351	70.2082	69.9813	69.7543	69.5272	69.3001	69.0730	68.8458	68.6186	68.3913
-90	72.7014	72.4750	72.2485	72.0220	71.7954	71.5688	71.3422	71.1155	70.8888	70.6620
-80	74.9628	74.7369	74.5109	74.2849	74.0588	73.8327	73.6065	73.3803	73.1540	72.9277
-70	77.2196	76.9941	76.7686	76.5430	76.3174	76.0918	75.8661	75.6403	75.4145	75.1887
-60	79.4718	79.2468	79.0217	78.7966	78.5715	78.3463	78.1210	77.8957	77.6704	77.4450
-50	81.7197	81.4951	81.2705	81.0458	80.8211	80.5963	80.3715	80.1466	79.9218	79.6968
-40	83.9633	83.7391	83.5149	83.2907	83.0664	82.8420	82.6176	82.3932	82.1688	81.9442
-30	86.2027	85.9790	85.7552	85.5313	85.3075	85.0835	84.8596	84.6356	84.4115	84.1874
-20	88.4381	88.2148	87.9914	87.7679	87.5444	87.3209	87.0974	86.8738	86.6501	86.4265
-10	90.6695	90.4466	90.2236	90.0005	89.7774	89.5543	89.3312	89.1080	88.8847	88.6614
-0	92.8971	92.6745	92.4519	92.2292	92.0065	91.7838	91.5610	91.3382	91.1154	90.8925

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	92.8971	93.1196	93.3421	93.5646	93.7870	94.0094	94.2318	94.4541	94.6764	94.8986
10	95.1208	95.3430	95.5651	95.7872	96.0093	96.2313	96.4533	96.6752	96.8971	97.1190
20	97.3408	97.5626	97.7844	98.0061	98.2278	98.4495	98.6711	98.8927	99.1142	99.3357
30	99.5572	99.7786	100.000	100.221	100.443	100.664	100.885	101.106	101.328	101.549
40	101.770	101.991	102.212	102.433	102.654	102.875	103.096	103.317	103.537	103.758
50	103.979	104.200	104.420	104.641	104.862	105.082	105.303	105.523	105.744	105.964
60	106.184	106.405	106.625	106.845	107.066	107.286	107.506	107.726	107.946	108.166
70	108.386	108.606	108.826	109.046	109.266	109.486	109.706	109.925	110.145	110.365
80	110.584	110.804	111.024	111.243	111.463	111.682	111.902	112.121	112.340	112.560
90	112.779	112.998	113.217	113.437	113.656	113.875	114.094	114.313	114.532	114.751
100	114.970	115.189	115.408	115.626	115.845	116.064	116.283	116.501	116.720	116.939
110	117.157	117.376	117.594	117.813	118.031	118.250	118.468	118.686	118.904	119.123
120	119.341	119.559	119.777	119.995	120.213	120.431	120.649	120.867	121.085	121.303
130	121.521	121.739	121.957	122.174	122.392	122.610	122.827	123.045	123.262	123.480
140	123.697	123.915	124.132	124.350	124.567	124.784	125.002	125.219	125.436	125.653
150	125.870	126.087	126.304	126.521	126.738	126.955	127.172	127.389	127.606	127.823
160	128.040	128.256	128.473	128.690	128.906	129.123	129.339	129.556	129.772	129.989
170	130.205	130.421	130.638	130.854	131.070	131.287	131.503	131.719	131.935	132.151
180	132.367	132.583	132.799	133.015	133.231	133.447	133.663	133.878	134.094	134.310
190	134.525	134.741	134.957	135.172	135.388	135.603	135.819	136.034	136.249	136.465
200	136.680	136.895	137.111	137.326	137.541	137.756	137.971	138.186	138.401	138.616
210	138.831	139.046	139.261	139.476	139.691	139.905	140.120	140.335	140.549	140.764
220	140.979	141.193	141.408	141.622	141.837	142.051	142.265	142.480	142.694	142.908
230	143.123	143.337	143.551	143.765	143.979	144.193	144.407	144.621	144.835	145.049
240	145.263	145.477	145.690	145.904	146.118	146.332	146.545	146.759	146.972	147.186
250	147.399	147.613	147.826	148.040	148.253	148.466	148.680	148.893	149.106	149.319
260	149.532	149.745	149.958	150.172	150.384	150.597	150.810	151.023	151.236	151.449
270	151.662	151.874	152.087	152.300	152.512	152.725	152.938	153.150	153.363	153.575
280	153.787	154.000	154.212	154.424	154.637	154.849	155.061	155.273	155.485	155.697
290	155.910	156.122	156.333	156.545	156.757	156.969	157.181	157.393	157.605	157.816
300	158.028	158.240	158.451	158.663	158.874	159.086	159.297	159.509	159.720	159.932
310	160.143	160.354	160.565	160.777	160.988	161.199	161.410	161.621	161.832	162.043
320	162.254	162.465	162.676	162.887	163.098	163.308	163.519	163.730	163.940	164.151
330	164.362	164.572	164.783	164.993	165.204	165.414	165.625	165.835	166.045	166.255

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
340	166.466	166.676	166.886	167.096	167.306	167.516	167.726	167.936	168.146	168.356
350	168.566	168.776	168.986	169.195	169.405	169.615	169.825	170.034	170.244	170.453
360	170.663	170.872	171.082	171.291	171.500	171.710	171.919	172.128	172.338	172.547
370	172.756	172.965	173.174	173.383	173.592	173.801	174.010	174.219	174.428	174.637
380	174.845	175.054	175.263	175.472	175.680	175.889	176.097	176.306	176.514	176.723
390	176.931	177.140	177.348	177.556	177.765	177.973	178.181	178.389	178.597	178.805
400	179.014	179.222	179.430	179.637	179.845	180.053	180.261	180.469	180.677	180.884
410	181.092	181.300	181.507	181.715	181.923	182.130	182.338	182.545	182.752	182.960
420	183.167	183.374	183.582	183.789	183.996	184.203	184.410	184.617	184.825	185.032
430	185.239	185.445	185.652	185.859	186.066	186.273	186.480	186.686	186.893	187.100
440	187.306	187.513	187.719	187.926	188.132	188.339	188.545	188.752	188.958	189.164
450	189.370	189.577	189.783	189.989	190.195	190.401	190.607	190.813	191.019	191.225
460	191.431	191.637	191.843	192.048	192.254	192.460	192.665	192.871	193.077	193.282
470	193.488	193.693	193.899	194.104	194.310	194.515	194.720	194.925	195.131	195.336
480	195.541	195.746	195.951	196.156	196.361	196.566	196.771	196.976	197.181	197.386
490	197.591	197.795	198.000	198.205	198.410	198.614	198.819	199.023	199.228	199.432
500	199.637	199.841	200.045	200.250	200.454	200.658	200.863	201.067	201.271	201.475
510	201.679	201.883	202.087	202.291	202.495	202.699	202.903	203.107	203.310	203.514
520	203.718	203.922	204.125	204.329	204.532	204.736	204.939	205.143	205.346	205.550
530	205.753	205.956	206.160	206.363	206.566	206.769	206.972	207.175	207.378	207.582
540	207.784	207.987	208.190	208.393	208.596	208.799	209.002	209.204	209.407	209.610
550	209.812	210.015	210.218	210.420	210.623	210.825	211.027	211.230	211.432	211.634
560	211.837	212.039	212.241	212.443	212.645	212.847	213.049	213.251	213.453	213.655
570	213.857	214.059	214.261	214.463	214.665	214.866	215.068	215.270	215.471	215.673
580	215.874	216.076	216.277	216.479	216.680	216.881	217.083	217.284	217.485	217.687
590	217.888	218.089	218.290	218.491	218.692	218.893	219.094	219.295	219.496	219.697
600	219.898	220.098	220.299	220.500	220.700	220.901	221.102	221.302	221.503	221.703
610	221.904	222.104	222.304	222.505	222.705	222.905	223.106	223.306	223.506	223.706
620	223.906	224.106	224.306	224.506	224.706	224.906	225.106	225.306	225.506	225.705
630	225.905	226.105	226.304	226.504	226.704	226.903	227.103	227.302	227.502	227.701
640	227.900	228.100	228.299	228.498	228.697	228.897	229.096	229.295	229.494	229.693
650	229.892	230.091	230.290	230.489	230.688	230.887	231.085	231.284	231.483	231.681
660	231.880	232.079	232.277	232.476	232.674	232.873	233.071	233.270	233.468	233.666
670	233.864	234.063	234.261	234.459	234.657	234.855	235.053	235.251	235.449	235.647

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
680	235.845	236.043	236.241	236.439	236.637	236.834	237.032	237.230	237.427	237.625
690	237.822	238.020	238.217	238.415	238.612	238.810	239.007	239.204	239.402	239.599
700	239.796	239.993	240.190	240.387	240.584	240.781	240.978	241.175	241.372	241.569
710	241.766	241.963	242.159	242.356	242.553	242.750	242.946	243.143	243.339	243.536
720	243.732	243.929	244.125	244.321	244.518	244.714	244.910	245.106	245.303	245.499
730	245.695	245.891	246.087	246.283	246.479	246.675	246.871	247.067	247.262	247.458
740	247.654	247.850	248.045	248.241	248.437	248.632	248.828	249.023	249.219	249.414
750	249.609	249.805	250.000	250.195	250.391	250.586	250.781	250.976	251.171	251.366
760	251.561	251.756	251.951	252.146	252.341	252.536	252.730	252.925	253.120	253.315
770	253.509	253.704	253.899	254.093	254.288	254.482	254.676	254.871	255.065	255.260
780	255.454	255.648	255.842	256.037	256.231	256.425	256.619	256.813	257.007	257.201
790	257.395	257.589	257.783	257.976	258.170	258.364	258.558	258.751	258.945	259.139
800	259.332	259.526	259.719	259.913	260.106	260.299	260.493	260.686	260.879	261.073
810	261.266	261.459	261.652	261.845	262.038	262.231	262.424	262.617	262.810	263.003
820	263.196	263.389	263.581	263.774	263.967	264.160	264.352	264.545	264.737	264.930
830	265.122	265.315	265.507	265.700	265.892	266.084	266.276	266.469	266.661	266.853
840	267.045	267.237	267.429	267.621	267.813	268.005	268.197	268.389	268.581	268.773
850	268.964	269.156	269.348	269.539	269.731	269.923	270.114	270.306	270.497	270.688
860	270.880	271.071	271.263	271.454	271.645	271.836	272.027	272.219	272.410	272.601
870	272.792	272.983	273.174	273.365	273.556	273.746	273.937	274.128	274.319	274.509
880	274.700	274.891	275.081	275.272	275.462	275.653	275.843	276.034	276.224	276.415
890	276.605	276.795	276.985	277.176	277.366	277.556	277.746	277.936	278.126	278.316
900	278.506	278.696	278.886	279.076	279.265	279.455	279.645	279.835	280.024	280.214
910	280.403	280.593	280.782	280.972	281.161	281.351	281.540	281.729	281.919	282.108
920	282.297	282.486	282.676	282.865	283.054	283.243	283.432	283.621	283.810	283.999
930	284.187	284.376	284.565	284.754	284.942	285.131	285.320	285.508	285.697	285.885
940	286.074	286.262	286.451	286.639	286.828	287.016	287.204	287.392	287.581	287.769
950	287.957	288.145	288.333	288.521	288.709	288.897	289.085	289.273	289.461	289.648
960	289.836	290.024	290.212	290.399	290.587	290.775	290.962	291.150	291.337	291.525
970	291.712	291.899	292.087	292.274	292.461	292.648	292.836	293.023	293.210	293.397
980	293.584	293.771	293.958	294.145	294.332	294.519	294.706	294.892	295.079	295.266
990	295.453	295.639	295.826	296.012	296.199	296.385	296.572	296.758	296.945	297.131
1000	297.317	297.504	297.690	297.876	298.062	298.248	298.435	298.621	298.807	298.993
1010	299.179	299.364	299.550	299.736	299.922	300.108	300.294	300.479	300.665	300.851

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1020	301.036	301.222	301.407	301.593	301.778	301.964	302.149	302.334	302.520	302.705
1030	302.890	303.075	303.260	303.446	303.631	303.816	304.001	304.186	304.371	304.556
1040	304.740	304.925	305.110	305.295	305.480	305.664	305.849	306.034	306.218	306.403
1050	306.587	306.772	306.956	307.141	307.325	307.509	307.693	307.878	308.062	308.246
1060	308.430	308.614	308.798	308.983	309.167	309.350	309.534	309.718	309.902	310.086
1070	310.270	310.454	310.637	310.821	311.005	311.188	311.372	311.555	311.739	311.922
1080	312.106	312.289	312.472	312.656	312.839	313.022	313.205	313.389	313.572	313.755
1090	313.938	314.121	314.304	314.487	314.670	314.853	315.035	315.218	315.401	315.584
1100	315.766	315.949	316.132	316.314	316.497	316.679	316.862	317.044	317.227	317.409
1110	317.591	317.774	317.956	318.138	318.320	318.503	318.685	318.867	319.049	319.231
1120	319.413	319.595	319.777	319.958	320.140	320.322	320.504	320.686	320.867	321.049
1130	321.231	321.412	321.594	321.775	321.957	322.138	322.319	322.501	322.682	322.863
1140	323.045	323.226	323.407	323.588	323.769	323.950	324.131	324.312	324.493	324.674
1150	324.855	325.036	325.217	325.398	325.578	325.759	325.940	326.120	326.301	326.481
1160	326.662	326.842	327.023	327.203	327.384	327.564	327.744			