

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 °C	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-200	16.9960									
-190	21.3741	20.9378	20.5012	20.0643	19.6270	19.1894	18.7514	18.3131	17.8744	17.4354
-180	25.7185	25.2855	24.8522	24.4186	23.9847	23.5504	23.1158	22.6809	22.2456	21.8100
-170	30.0314	29.6015	29.1712	28.7407	28.3099	27.8788	27.4474	27.0156	26.5836	26.1512
-160	34.3145	33.8875	33.4602	33.0326	32.6047	32.1765	31.7481	31.3193	30.8903	30.4610
-150	38.5697	38.1454	37.7208	37.2960	36.8709	36.4455	36.0198	35.5939	35.1677	34.7412
-140	42.7989	42.3771	41.9550	41.5328	41.1102	40.6875	40.2644	39.8412	39.4176	38.9938
-130	47.0034	46.5840	46.1644	45.7445	45.3245	44.9041	44.4835	44.0627	43.6417	43.2204
-120	51.1851	50.7679	50.3505	49.9329	49.5151	49.0970	48.6788	48.2603	47.8416	47.4226
-110	55.3451	54.9300	54.5148	54.0993	53.6836	53.2677	52.8516	52.4353	52.0187	51.6020
-100	59.4850	59.0719	58.6586	58.2451	57.8314	57.4175	57.0034	56.5892	56.1747	55.7600
-90	63.6059	63.1947	62.7832	62.3716	61.9598	61.5478	61.1356	60.7232	60.3107	59.8979
-80	67.7091	67.2995	66.8898	66.4799	66.0699	65.6596	65.2493	64.8387	64.4279	64.0170
-70	71.7954	71.3875	70.9795	70.5712	70.1628	69.7543	69.3456	68.9367	68.5276	68.1184
-60	75.8661	75.4597	75.0532	74.6465	74.2396	73.8327	73.4255	73.0182	72.6108	72.2032
-50	79.9218	79.5168	79.1118	78.7066	78.3012	77.8957	77.4901	77.0843	76.6784	76.2723
-40	83.9633	83.5598	83.1561	82.7523	82.3483	81.9442	81.5400	81.1357	80.7312	80.3265
-30	87.9914	87.5891	87.1868	86.7843	86.3817	85.9790	85.5761	85.1731	84.7700	84.3667
-20	92.0065	91.6056	91.2045	90.8033	90.4020	90.0005	89.5990	89.1972	88.7954	88.3935
-10	96.0093	95.6096	95.2097	94.8097	94.4096	94.0094	93.6091	93.2086	92.8081	92.4074
-0	100.000	99.6015	99.2028	98.8040	98.4051	98.0061	97.6070	97.2077	96.8084	96.4089

Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	100.000	100.398	100.797	101.195	101.593	101.991	102.389	102.786	103.184	103.582
10	103.979	104.376	104.773	105.170	105.567	105.964	106.361	106.757	107.154	107.550
20	107.946	108.342	108.738	109.134	109.530	109.925	110.321	110.716	111.111	111.507
30	111.902	112.296	112.691	113.086	113.480	113.875	114.269	114.663	115.057	115.451
40	115.845	116.239	116.633	117.026	117.419	117.813	118.206	118.599	118.992	119.385
50	119.777	120.170	120.562	120.955	121.347	121.739	122.131	122.523	122.914	123.306
60	123.697	124.089	124.480	124.871	125.262	125.653	126.044	126.435	126.825	127.216
70	127.606	127.996	128.386	128.776	129.166	129.556	129.945	130.335	130.724	131.114
80	131.503	131.892	132.281	132.669	133.058	133.447	133.835	134.223	134.612	135.000
90	135.388	135.776	136.163	136.551	136.938	137.326	137.713	138.100	138.487	138.874

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 °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
100	139.261	139.648	140.034	140.421	140.807	141.193	141.579	141.965	142.351	142.737
110	143.123	143.508	143.893	144.279	144.664	145.049	145.434	145.819	146.203	146.588
120	146.972	147.357	147.741	148.125	148.509	148.893	149.277	149.660	150.044	150.427
130	150.810	151.194	151.577	151.959	152.342	152.725	153.108	153.490	153.872	154.255
140	154.637	155.019	155.401	155.782	156.164	156.545	156.927	157.308	157.689	158.070
150	158.451	158.832	159.213	159.593	159.974	160.354	160.734	161.114	161.494	161.874
160	162.254	162.634	163.013	163.393	163.772	164.151	164.530	164.909	165.288	165.667
170	166.045	166.424	166.802	167.180	167.558	167.936	168.314	168.692	169.070	169.447
180	169.825	170.202	170.579	170.956	171.333	171.710	172.086	172.463	172.840	173.216
190	173.592	173.968	174.344	174.720	175.096	175.472	175.847	176.222	176.598	176.973
200	177.348	177.723	178.098	178.472	178.847	179.222	179.596	179.970	180.344	180.718
210	181.092	181.466	181.840	182.213	182.586	182.960	183.333	183.706	184.079	184.452
220	184.825	185.197	185.570	185.942	186.314	186.686	187.058	187.430	187.802	188.174
230	188.545	188.917	189.288	189.659	190.030	190.401	190.772	191.143	191.513	191.884
240	192.254	192.624	192.994	193.364	193.734	194.104	194.474	194.843	195.213	195.582
250	195.951	196.320	196.689	197.058	197.427	197.795	198.164	198.532	198.901	199.269
260	199.637	200.005	200.372	200.740	201.108	201.475	201.842	202.209	202.577	202.944
270	203.310	203.677	204.044	204.410	204.777	205.143	205.509	205.875	206.241	206.607
280	206.972	207.338	207.703	208.069	208.434	208.799	209.164	209.529	209.893	210.258
290	210.623	210.987	211.351	211.715	212.079	212.443	212.807	213.171	213.534	213.898
300	214.261	214.624	214.987	215.350	215.713	216.076	216.438	216.801	217.163	217.526
310	217.888	218.250	218.612	218.973	219.335	219.697	220.058	220.419	220.781	221.142
320	221.503	221.864	222.224	222.585	222.945	223.306	223.666	224.026	224.386	224.746
330	225.106	225.466	225.825	226.185	226.544	226.903	227.262	227.621	227.980	228.339
340	228.697	229.056	229.414	229.773	230.131	230.489	230.847	231.205	231.562	231.920
350	232.277	232.635	232.992	233.349	233.706	234.063	234.419	234.776	235.133	235.489
360	235.845	236.201	236.557	236.913	237.269	237.625	237.980	238.336	238.691	239.046
370	239.402	239.757	240.111	240.466	240.821	241.175	241.530	241.884	242.238	242.592
380	242.946	243.300	243.654	244.007	244.361	244.714	245.067	245.420	245.773	246.126
390	246.479	246.832	247.184	247.536	247.889	248.241	248.593	248.945	249.297	249.648
400	250.000	250.351	250.703	251.054	251.405	251.756	252.107	252.458	252.808	253.159
410	253.509	253.860	254.210	254.560	254.910	255.260	255.609	255.959	256.308	256.658
420	257.007	257.356	257.705	258.054	258.403	258.751	259.100	259.448	259.797	260.145
430	260.493	260.841	261.189	261.536	261.884	262.231	262.579	262.926	263.273	263.620

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 °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
440	263.967	264.314	264.660	265.007	265.353	265.700	266.046	266.392	266.738	267.084
450	267.429	267.775	268.120	268.466	268.811	269.156	269.501	269.846	270.191	270.535
460	270.880	271.224	271.569	271.913	272.257	272.601	272.945	273.288	273.632	273.975
470	274.319	274.662	275.005	275.348	275.691	276.034	276.376	276.719	277.061	277.404
480	277.746	278.088	278.430	278.772	279.113	279.455	279.797	280.138	280.479	280.820
490	281.161	281.502	281.843	282.184	282.524	282.865	283.205	283.545	283.885	284.225
500	284.565	284.905	285.244	285.584	285.923	286.262	286.602	286.941	287.279	287.618
510	287.957	288.295	288.634	288.972	289.310	289.648	289.986	290.324	290.662	291.000
520	291.337	291.674	292.012	292.349	292.686	293.023	293.360	293.696	294.033	294.369
530	294.706	295.042	295.378	295.714	296.050	296.385	296.721	297.056	297.392	297.727
540	298.062	298.397	298.732	299.067	299.402	299.736	300.071	300.405	300.739	301.073
550	301.407	301.741	302.075	302.408	302.742	303.075	303.409	303.742	304.075	304.408
560	304.740	305.073	305.406	305.738	306.070	306.403	306.735	307.067	307.399	307.730
570	308.062	308.393	308.725	309.056	309.387	309.718	310.049	310.380	310.711	311.041
580	311.372	311.702	312.032	312.362	312.692	313.022	313.352	313.682	314.011	314.340
590	314.670	314.999	315.328	315.657	315.986	316.314	316.643	316.971	317.300	317.628
600	317.956	318.284	318.612	318.940	319.267	319.595	319.922	320.249	320.577	320.904
610	321.231	321.557	321.884	322.211	322.537	322.863	323.190	323.516	323.842	324.168
620	324.493	324.819	325.144	325.470	325.795	326.120	326.445	326.770	327.095	327.420
630	327.744									