

RTD Temperature Vs. Resistance Table

PLATINUM : PS TCR = 0.00385

$R_0 = 10000$

A = 0.0039083 B = -5.775E-07 C = -4.183E-12

Values are in Ohms

Temp °C	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-200	1852.01									
-190	2282.55	2239.65	2196.72	2153.76	2110.76	2067.72	2024.65	1981.54	1938.40	1895.22
-180	2709.64	2667.08	2624.49	2581.86	2539.20	2496.51	2453.79	2411.03	2368.24	2325.41
-170	3133.50	3091.26	3048.98	3006.67	2964.34	2921.97	2879.56	2837.13	2794.67	2752.17
-160	3554.33	3512.38	3470.40	3428.39	3386.35	3344.29	3302.19	3260.06	3217.91	3175.72
-150	3972.32	3930.64	3888.94	3847.21	3805.45	3763.67	3721.86	3680.02	3638.15	3596.26
-140	4387.64	4346.22	4304.78	4263.31	4221.82	4180.30	4138.76	4097.19	4055.59	4013.97
-130	4800.48	4759.30	4718.10	4676.88	4635.63	4594.36	4553.07	4511.75	4470.40	4429.04
-120	5210.98	5170.03	5129.06	5088.06	5047.05	5006.01	4964.95	4923.86	4882.76	4841.63
-110	5619.30	5578.56	5537.80	5497.02	5456.22	5415.40	5374.56	5333.70	5292.81	5251.91
-100	6025.58	5985.04	5944.48	5903.91	5863.31	5822.69	5782.05	5741.39	5700.72	5660.02
-90	6429.96	6389.60	6349.23	6308.84	6268.43	6228.00	6187.56	6147.09	6106.61	6066.11
-80	6832.54	6792.36	6752.17	6711.95	6671.72	6631.47	6591.20	6550.92	6510.62	6470.30
-70	7233.45	7193.44	7153.40	7113.35	7073.28	7033.20	6993.10	6952.99	6912.86	6872.71
-60	7632.78	7592.92	7553.04	7513.15	7473.24	7433.31	7393.37	7353.41	7313.44	7273.46
-50	8030.63	7990.91	7951.17	7911.43	7871.66	7831.89	7792.10	7752.29	7712.47	7672.63
-40	8427.07	8387.48	8347.89	8308.28	8268.65	8229.02	8189.37	8149.70	8110.03	8070.33
-30	8822.17	8782.71	8743.25	8703.77	8664.28	8624.78	8585.26	8545.73	8506.19	8466.63
-20	9215.99	9176.66	9137.32	9097.97	9058.61	9019.23	8979.85	8940.44	8901.03	8861.60
-10	9608.59	9569.38	9530.16	9490.93	9451.69	9412.44	9373.17	9333.90	9294.61	9255.30
-0	10000.0	9960.91	9921.81	9882.70	9843.58	9804.44	9765.29	9726.13	9686.96	9647.78

Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	10000.0	10039.1	10078.1	10117.2	10156.2	10195.3	10234.3	10273.3	10312.3	10351.3
10	10390.3	10429.2	10468.2	10507.1	10546.0	10584.9	10623.8	10662.7	10701.6	10740.5
20	10779.4	10818.2	10857.0	10895.9	10934.7	10973.5	11012.3	11051.0	11089.8	11128.6
30	11167.3	11206.0	11244.7	11283.5	11322.1	11360.8	11399.5	11438.2	11476.8	11515.5
40	11554.1	11592.7	11631.3	11669.9	11708.5	11747.0	11785.6	11824.1	11862.7	11901.2
50	11939.7	11978.2	12016.7	12055.2	12093.6	12132.1	12170.5	12209.0	12247.4	12285.8
60	12324.2	12362.6	12400.9	12439.3	12477.7	12516.0	12554.3	12592.6	12630.9	12669.2
70	12707.5	12745.8	12784.0	12822.3	12860.5	12898.7	12937.0	12975.2	13013.3	13051.5
80	13089.7	13127.8	13166.0	13204.1	13242.2	13280.3	13318.4	13356.5	13394.6	13432.6
90	13470.7	13508.7	13546.8	13584.8	13622.8	13660.8	13698.7	13736.7	13774.7	13812.6

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Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
100	13850.5	13888.5	13926.4	13964.3	14002.2	14040.0	14077.9	14115.8	14153.6	14191.4
110	14229.3	14267.1	14304.9	14342.6	14380.4	14418.2	14455.9	14493.7	14531.4	14569.1
120	14606.8	14644.5	14682.2	14719.8	14757.5	14795.1	14832.8	14870.4	14908.0	14945.6
130	14983.2	15020.8	15058.3	15095.9	15133.4	15171.0	15208.5	15246.0	15283.5	15321.0
140	15358.4	15395.9	15433.3	15470.8	15508.2	15545.6	15583.0	15620.4	15657.8	15695.2
150	15732.5	15769.9	15807.2	15844.5	15881.8	15919.1	15956.4	15993.7	16030.9	16068.2
160	16105.4	16142.7	16179.9	16217.1	16254.3	16291.5	16328.6	16365.8	16403.0	16440.1
170	16477.2	16514.3	16551.4	16588.5	16625.6	16662.7	16699.7	16736.8	16773.8	16810.8
180	16847.8	16884.8	16921.8	16958.8	16995.8	17032.7	17069.6	17106.6	17143.5	17180.4
190	17217.3	17254.2	17291.0	17327.9	17364.8	17401.6	17438.4	17475.2	17512.0	17548.8
200	17585.6	17622.4	17659.1	17695.9	17732.6	17769.3	17806.0	17842.7	17879.4	17916.1
210	17952.8	17989.4	18026.0	18062.7	18099.3	18135.9	18172.5	18209.1	18245.6	18282.2
220	18318.8	18355.3	18391.8	18428.3	18464.8	18501.3	18537.8	18574.3	18610.7	18647.2
230	18683.6	18720.0	18756.4	18792.8	18829.2	18865.6	18901.9	18938.3	18974.6	19011.0
240	19047.3	19083.6	19119.9	19156.2	19192.4	19228.7	19264.9	19301.2	19337.4	19373.6
250	19409.8	19446.0	19482.2	19518.3	19554.5	19590.6	19626.8	19662.9	19699.0	19735.1
260	19771.2	19807.3	19843.3	19879.4	19915.4	19951.4	19987.5	20023.5	20059.5	20095.4
270	20131.4	20167.4	20203.3	20239.3	20275.2	20311.1	20347.0	20382.9	20418.8	20454.6
280	20490.5	20526.3	20562.2	20598.0	20633.8	20669.6	20705.4	20741.1	20776.9	20812.7
290	20848.4	20884.1	20919.8	20955.5	20991.2	21026.9	21062.6	21098.2	21133.9	21169.5
300	21205.2	21240.8	21276.4	21312.0	21347.5	21383.1	21418.7	21454.2	21489.7	21525.2
310	21560.8	21596.2	21631.7	21667.2	21702.7	21738.1	21773.6	21809.0	21844.4	21879.8
320	21915.2	21950.6	21986.0	22021.3	22056.7	22092.0	22127.3	22162.6	22197.9	22233.2
330	22268.5	22303.8	22339.0	22374.3	22409.5	22444.7	22479.9	22515.1	22550.3	22585.5
340	22620.6	22655.8	22690.9	22726.0	22761.2	22796.3	22831.4	22866.4	22901.5	22936.6
350	22971.6	23006.6	23041.7	23076.7	23111.7	23146.7	23181.6	23216.6	23251.6	23286.5
360	23321.4	23356.4	23391.3	23426.2	23461.0	23495.9	23530.8	23565.6	23600.5	23635.3
370	23670.1	23704.9	23739.7	23774.5	23809.3	23844.0	23878.8	23913.5	23948.2	23982.9
380	24017.6	24052.3	24087.0	24121.7	24156.3	24191.0	24225.6	24260.2	24294.8	24329.4
390	24364.0	24398.6	24433.1	24467.7	24502.2	24536.7	24571.3	24605.8	24640.3	24674.7
400	24709.2	24743.7	24778.1	24812.5	24847.0	24881.4	24915.8	24950.2	24984.5	25018.9
410	25053.3	25087.6	25121.9	25156.2	25190.6	25224.8	25259.1	25293.4	25327.7	25361.9
420	25396.2	25430.4	25464.6	25498.8	25533.0	25567.2	25601.3	25635.5	25669.6	25703.8
430	25737.9	25772.0	25806.1	25840.2	25874.3	25908.3	25942.4	25976.4	26010.5	26044.5

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Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
440	26078.5	26112.5	26146.5	26180.4	26214.4	26248.3	26282.3	26316.2	26350.1	26384.0
450	26417.9	26451.8	26485.7	26519.5	26553.4	26587.2	26621.0	26654.8	26688.6	26722.4
460	26756.2	26790.0	26823.7	26857.4	26891.2	26924.9	26958.6	26992.3	27026.0	27059.7
470	27093.3	27127.0	27160.6	27194.2	27227.8	27261.4	27295.0	27328.6	27362.2	27395.7
480	27429.3	27462.8	27496.3	27529.8	27563.3	27596.8	27630.3	27663.8	27697.2	27730.7
490	27764.1	27797.5	27830.9	27864.3	27897.7	27931.1	27964.4	27997.8	28031.1	28064.4
500	28097.8	28131.1	28164.3	28197.6	28230.9	28264.1	28297.4	28330.6	28363.8	28397.1
510	28430.3	28463.4	28496.6	28529.8	28562.9	28596.1	28629.2	28662.3	28695.4	28728.5
520	28761.6	28794.7	28827.7	28860.8	28893.8	28926.8	28959.9	28992.9	29025.8	29058.8
530	29091.8	29124.7	29157.7	29190.6	29223.5	29256.5	29289.4	29322.2	29355.1	29388.0
540	29420.8	29453.7	29486.5	29519.3	29552.1	29584.9	29617.7	29650.5	29683.2	29716.0
550	29748.7	29781.4	29814.2	29846.9	29879.5	29912.2	29944.9	29977.5	30010.2	30042.8
560	30075.4	30108.0	30140.6	30173.2	30205.8	30238.4	30270.9	30303.5	30336.0	30368.5
570	30401.0	30433.5	30466.0	30498.5	30530.9	30563.4	30595.8	30628.2	30660.6	30693.0
580	30725.4	30757.8	30790.2	30822.5	30854.9	30887.2	30919.5	30951.8	30984.1	31016.4
590	31048.7	31081.0	31113.2	31145.4	31177.7	31209.9	31242.1	31274.3	31306.5	31338.6
600	31370.8									