

RTD Temperature Vs. Resistance Table

PLATINUM : PG TCR = 0.00385

$R_0 = 500$

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

Values are in Ohms

Temp °F	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-320	102.190	100.993	99.7959	98.5980	97.3996	96.2007	95.0011	93.8010	92.6004	
-310	114.127	112.936	111.744	110.552	109.359	108.165	106.971	105.777	104.582	103.386
-300	126.012	124.826	123.639	122.452	121.264	120.076	118.887	117.698	116.508	115.318
-290	137.845	136.664	135.482	134.300	133.118	131.935	130.751	129.567	128.382	127.197
-280	149.628	148.452	147.275	146.098	144.921	143.743	142.564	141.385	140.205	139.025
-270	161.364	160.192	159.020	157.848	156.675	155.502	154.328	153.154	151.979	150.804
-260	173.053	171.886	170.719	169.551	168.383	167.214	166.045	164.875	163.705	162.535
-250	184.698	183.536	182.373	181.209	180.046	178.881	177.717	176.551	175.386	174.220
-240	196.301	195.142	193.983	192.824	191.665	190.505	189.344	188.183	187.022	185.861
-230	207.861	206.707	205.552	204.397	203.242	202.086	200.930	199.773	198.616	197.458
-220	219.382	218.232	217.081	215.930	214.778	213.627	212.474	211.322	210.169	209.015
-210	230.865	229.718	228.571	227.424	226.276	225.128	223.980	222.831	221.682	220.532
-200	242.310	241.167	240.024	238.880	237.736	236.592	235.447	234.302	233.157	232.011
-190	253.720	252.580	251.441	250.300	249.160	248.019	246.878	245.737	244.595	243.453
-180	265.095	263.959	262.823	261.686	260.549	259.412	258.274	257.136	255.997	254.859
-170	276.437	275.304	274.171	273.038	271.904	270.770	269.636	268.501	267.366	266.231
-160	287.747	286.618	285.488	284.358	283.227	282.096	280.965	279.834	278.702	277.570
-150	299.027	297.900	296.773	295.646	294.519	293.391	292.263	291.134	290.006	288.877
-140	310.277	309.153	308.029	306.905	305.780	304.655	303.530	302.405	301.279	300.153
-130	321.498	320.377	319.256	318.135	317.013	315.891	314.769	313.646	312.523	311.400
-120	332.692	331.573	330.455	329.336	328.217	327.098	325.979	324.859	323.739	322.619
-110	343.859	342.743	341.627	340.511	339.395	338.278	337.162	336.044	334.927	333.809
-100	355.000	353.887	352.774	351.660	350.546	349.432	348.318	347.204	346.089	344.974
-90	366.116	365.006	363.895	362.784	361.673	360.561	359.449	358.337	357.225	356.113
-80	377.209	376.101	374.992	373.884	372.775	371.666	370.556	369.447	368.337	367.227
-70	388.278	387.172	386.066	384.960	383.853	382.746	381.639	380.532	379.424	378.317
-60	399.325	398.221	397.117	396.013	394.909	393.804	392.699	391.594	390.489	389.384
-50	410.350	409.248	408.146	407.044	405.942	404.840	403.737	402.634	401.531	400.428
-40	421.353	420.254	419.154	418.054	416.954	415.854	414.754	413.653	412.552	411.451
-30	432.336	431.239	430.141	429.044	427.946	426.847	425.749	424.650	423.552	422.452
-20	443.299	442.204	441.108	440.012	438.916	437.820	436.724	435.627	434.531	433.434
-10	454.243	453.149	452.056	450.962	449.868	448.773	447.679	446.584	445.490	444.395
-0	465.167	464.075	462.984	461.892	460.799	459.707	458.615	457.522	456.429	455.336

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0	465.167	466.258	467.349	468.441	469.531	470.622	471.712	472.803	473.893	474.983
10	476.072	477.162	478.251	479.340	480.429	481.518	482.607	483.695	484.783	485.872
20	486.959	488.047	489.135	490.222	491.309	492.396	493.483	494.570	495.656	496.742
30	497.828	498.914	500.000	501.086	502.171	503.256	504.341	505.426	506.511	507.595
40	508.679	509.764	510.847	511.931	513.015	514.098	515.181	516.265	517.347	518.430
50	519.513	520.595	521.677	522.759	523.841	524.923	526.004	527.085	528.166	529.247
60	530.328	531.409	532.489	533.569	534.649	535.729	536.809	537.888	538.968	540.047
70	541.126	542.204	543.283	544.361	545.440	546.518	547.596	548.673	549.751	550.828
80	551.905	552.982	554.059	555.136	556.212	557.289	558.365	559.441	560.516	561.592
90	562.667	563.742	564.817	565.892	566.967	568.042	569.116	570.190	571.264	572.338
100	573.411	574.485	575.558	576.631	577.704	578.777	579.849	580.922	581.994	583.066
110	584.138	585.209	586.281	587.352	588.423	589.494	590.565	591.635	592.706	593.776
120	594.846	595.916	596.986	598.055	599.124	600.194	601.263	602.331	603.400	604.468
130	605.537	606.605	607.673	608.740	609.808	610.875	611.943	613.010	614.076	615.143
140	616.209	617.276	618.342	619.408	620.474	621.539	622.605	623.670	624.735	625.800
150	626.864	627.929	628.993	630.057	631.121	632.185	633.249	634.312	635.376	636.439
160	637.502	638.564	639.627	640.689	641.752	642.814	643.875	644.937	645.999	647.060
170	648.121	649.182	650.243	651.303	652.364	653.424	654.484	655.544	656.604	657.663
180	658.722	659.782	660.841	661.899	662.958	664.017	665.075	666.133	667.191	668.249
190	669.306	670.364	671.421	672.478	673.535	674.591	675.648	676.704	677.760	678.816
200	679.872	680.928	681.983	683.038	684.093	685.148	686.203	687.257	688.312	689.366
210	690.420	691.474	692.527	693.581	694.634	695.687	696.740	697.793	698.846	699.898
220	700.950	702.002	703.054	704.106	705.157	706.209	707.260	708.311	709.362	710.412
230	711.463	712.513	713.563	714.613	715.663	716.712	717.761	718.811	719.860	720.909
240	721.957	723.006	724.054	725.102	726.150	727.198	728.245	729.293	730.340	731.387
250	732.434	733.481	734.527	735.573	736.620	737.666	738.711	739.757	740.802	741.848
260	742.893	743.938	744.982	746.027	747.071	748.116	749.160	750.203	751.247	752.291
270	753.334	754.377	755.420	756.463	757.505	758.548	759.590	760.632	761.674	762.716
280	763.757	764.799	765.840	766.881	767.921	768.962	770.003	771.043	772.083	773.123
290	774.163	775.202	776.242	777.281	778.320	779.359	780.397	781.436	782.474	783.512
300	784.550	785.588	786.626	787.663	788.700	789.737	790.774	791.811	792.847	793.884
310	794.920	795.956	796.992	798.027	799.063	800.098	801.133	802.168	803.203	804.238
320	805.272	806.306	807.340	808.374	809.408	810.441	811.475	812.508	813.541	814.574
330	815.606	816.639	817.671	818.703	819.735	820.767	821.798	822.829	823.861	824.892

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340	825.922	826.953	827.984	829.014	830.044	831.074	832.104	833.133	834.163	835.192
350	836.221	837.250	838.279	839.307	840.335	841.364	842.391	843.419	844.447	845.474
360	846.502	847.529	848.556	849.582	850.609	851.635	852.661	853.687	854.713	855.739
370	856.764	857.790	858.815	859.840	860.865	861.889	862.914	863.938	864.962	865.986
380	867.010	868.033	869.056	870.080	871.103	872.125	873.148	874.170	875.193	876.215
390	877.237	878.258	879.280	880.301	881.323	882.344	883.364	884.385	885.406	886.426
400	887.446	888.466	889.486	890.505	891.525	892.544	893.563	894.582	895.601	896.619
410	897.638	898.656	899.674	900.692	901.709	902.727	903.744	904.761	905.778	906.795
420	907.811	908.828	909.844	910.860	911.876	912.892	913.907	914.922	915.938	916.952
430	917.967	918.982	919.996	921.011	922.025	923.039	924.052	925.066	926.079	927.092
440	928.105	929.118	930.131	931.143	932.156	933.168	934.180	935.191	936.203	937.214
450	938.226	939.237	940.248	941.258	942.269	943.279	944.289	945.299	946.309	947.319
460	948.328	949.337	950.346	951.355	952.364	953.373	954.381	955.389	956.397	957.405
470	958.413	959.420	960.427	961.435	962.441	963.448	964.455	965.461	966.467	967.474
480	968.479	969.485	970.491	971.496	972.501	973.506	974.511	975.516	976.520	977.524
490	978.528	979.532	980.536	981.540	982.543	983.546	984.549	985.552	986.555	987.557
500	988.560	989.562	990.564	991.565	992.567	993.568	994.570	995.571	996.572	997.572
510	998.573	999.573	1000.57	1001.57	1002.57	1003.57	1004.57	1005.57	1006.57	1007.57
520	1008.57	1009.57	1010.57	1011.56	1012.56	1013.56	1014.56	1015.55	1016.55	1017.55
530	1018.55	1019.54	1020.54	1021.54	1022.53	1023.53	1024.52	1025.52	1026.52	1027.51
540	1028.51	1029.50	1030.50	1031.49	1032.48	1033.48	1034.47	1035.47	1036.46	1037.45
550	1038.45	1039.44	1040.43	1041.43	1042.42	1043.41	1044.40	1045.40	1046.39	1047.38
560	1048.37	1049.36	1050.35	1051.35	1052.34	1053.33	1054.32	1055.31	1056.30	1057.29
570	1058.28	1059.27	1060.26	1061.25	1062.24	1063.22	1064.21	1065.20	1066.19	1067.18
580	1068.17	1069.15	1070.14	1071.13	1072.12	1073.10	1074.09	1075.08	1076.06	1077.05
590	1078.04	1079.02	1080.01	1081.00	1081.98	1082.97	1083.95	1084.94	1085.92	1086.91
600	1087.89	1088.87	1089.86	1090.84	1091.83	1092.81	1093.79	1094.78	1095.76	1096.74
610	1097.73	1098.71	1099.69	1100.67	1101.65	1102.64	1103.62	1104.60	1105.58	1106.56
620	1107.54	1108.52	1109.50	1110.48	1111.46	1112.44	1113.42	1114.40	1115.38	1116.36
630	1117.34	1118.32	1119.30	1120.28	1121.26	1122.24	1123.21	1124.19	1125.17	1126.15
640	1127.12	1128.10	1129.08	1130.05	1131.03	1132.01	1132.98	1133.96	1134.94	1135.91
650	1136.89	1137.86	1138.84	1139.81	1140.79	1141.76	1142.74	1143.71	1144.69	1145.66
660	1146.63	1147.61	1148.58	1149.55	1150.53	1151.50	1152.47	1153.45	1154.42	1155.39
670	1156.36	1157.33	1158.31	1159.28	1160.25	1161.22	1162.19	1163.16	1164.13	1165.10

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
680	1166.07	1167.04	1168.01	1168.98	1169.95	1170.92	1171.89	1172.86	1173.83	1174.80
690	1175.76	1176.73	1177.70	1178.67	1179.64	1180.60	1181.57	1182.54	1183.51	1184.47
700	1185.44	1186.41	1187.37	1188.34	1189.30	1190.27	1191.24	1192.20	1193.17	1194.13
710	1195.10	1196.06	1197.03	1197.99	1198.95	1199.92	1200.88	1201.85	1202.81	1203.77
720	1204.73	1205.70	1206.66	1207.62	1208.59	1209.55	1210.51	1211.47	1212.43	1213.39
730	1214.36	1215.32	1216.28	1217.24	1218.20	1219.16	1220.12	1221.08	1222.04	1223.00
740	1223.96	1224.92	1225.88	1226.84	1227.80	1228.75	1229.71	1230.67	1231.63	1232.59
750	1233.55	1234.50	1235.46	1236.42	1237.37	1238.33	1239.29	1240.24	1241.20	1242.16
760	1243.11	1244.07	1245.02	1245.98	1246.93	1247.89	1248.84	1249.80	1250.75	1251.71
770	1252.66	1253.62	1254.57	1255.52	1256.48	1257.43	1258.38	1259.34	1260.29	1261.24
780	1262.19	1263.15	1264.10	1265.05	1266.00	1266.95	1267.91	1268.86	1269.81	1270.76
790	1271.71	1272.66	1273.61	1274.56	1275.51	1276.46	1277.41	1278.36	1279.31	1280.26
800	1281.21	1282.15	1283.10	1284.05	1285.00	1285.95	1286.89	1287.84	1288.79	1289.74
810	1290.68	1291.63	1292.58	1293.52	1294.47	1295.42	1296.36	1297.31	1298.25	1299.20
820	1300.14	1301.09	1302.03	1302.98	1303.92	1304.87	1305.81	1306.76	1307.70	1308.64
830	1309.59	1310.53	1311.47	1312.42	1313.36	1314.30	1315.24	1316.19	1317.13	1318.07
840	1319.01	1319.95	1320.90	1321.84	1322.78	1323.72	1324.66	1325.60	1326.54	1327.48
850	1328.42	1329.36	1330.30	1331.24	1332.18	1333.12	1334.06	1334.99	1335.93	1336.87
860	1337.81	1338.75	1339.69	1340.62	1341.56	1342.50	1343.43	1344.37	1345.31	1346.24
870	1347.18	1348.12	1349.05	1349.99	1350.92	1351.86	1352.80	1353.73	1354.67	1355.60
880	1356.53	1357.47	1358.40	1359.34	1360.27	1361.21	1362.14	1363.07	1364.01	1364.94
890	1365.87	1366.80	1367.74	1368.67	1369.60	1370.53	1371.46	1372.40	1373.33	1374.26
900	1375.19	1376.12	1377.05	1377.98	1378.91	1379.84	1380.77	1381.70	1382.63	1383.56
910	1384.49	1385.42	1386.35	1387.28	1388.20	1389.13	1390.06	1390.99	1391.92	1392.84
920	1393.77	1394.70	1395.63	1396.55	1397.48	1398.41	1399.33	1400.26	1401.19	1402.11
930	1403.04	1403.96	1404.89	1405.81	1406.74	1407.66	1408.59	1409.51	1410.44	1411.36
940	1412.28	1413.21	1414.13	1415.05	1415.98	1416.90	1417.82	1418.75	1419.67	1420.59
950	1421.51	1422.43	1423.36	1424.28	1425.20	1426.12	1427.04	1427.96	1428.88	1429.80
960	1430.72	1431.64	1432.56	1433.48	1434.40	1435.32	1436.24	1437.16	1438.08	1439.00
970	1439.92	1440.84	1441.75	1442.67	1443.59	1444.51	1445.42	1446.34	1447.26	1448.18
980	1449.09	1450.01	1450.93	1451.84	1452.76	1453.67	1454.59	1455.51	1456.42	1457.34
990	1458.25	1459.17	1460.08	1460.99	1461.91	1462.82	1463.74	1464.65	1465.56	1466.48
1000	1467.39	1468.30	1469.22	1470.13	1471.04	1471.95	1472.87	1473.78	1474.69	1475.60
1010	1476.51	1477.42	1478.33	1479.25	1480.16	1481.07	1481.98	1482.89	1483.80	1484.71

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1020	1485.62	1486.53	1487.44	1488.34	1489.25	1490.16	1491.07	1491.98	1492.89	1493.80
1030	1494.70	1495.61	1496.52	1497.43	1498.33	1499.24	1500.15	1501.05	1501.96	1502.87
1040	1503.77	1504.68	1505.58	1506.49	1507.39	1508.30	1509.20	1510.11	1511.01	1511.92
1050	1512.82	1513.73	1514.63	1515.53	1516.44	1517.34	1518.24	1519.15	1520.05	1520.95
1060	1521.86	1522.76	1523.66	1524.56	1525.46	1526.37	1527.27	1528.17	1529.07	1529.97
1070	1530.87	1531.77	1532.67	1533.57	1534.47	1535.37	1536.27	1537.17	1538.07	1538.97
1080	1539.87	1540.77	1541.67	1542.56	1543.46	1544.36	1545.26	1546.16	1547.05	1547.95
1090	1548.85	1549.74	1550.64	1551.54	1552.43	1553.33	1554.23	1555.12	1556.02	1556.91
1100	1557.81	1558.70	1559.60	1560.49	1561.39	1562.28	1563.18	1564.07	1564.97	1565.86
1110	1566.75	1567.65	1568.54	1569.43	1570.33	1571.22	1572.11	1573.00	1573.90	1574.79
1120	1575.68	1576.57	1577.46	1578.35	1579.24	1580.14	1581.03	1581.92	1582.81	1583.70
1130	1584.59	1585.48	1586.37	1587.26	1588.15	1589.04	1589.92	1590.81	1591.70	1592.59
1140	1593.48	1594.37	1595.25	1596.14	1597.03	1597.92	1598.80	1599.69	1600.58	1601.46
1150	1602.35	1603.24	1604.12	1605.01	1605.89	1606.78	1607.67	1608.55	1609.44	1610.32
1160	1611.21	1612.09	1612.97	1613.86	1614.74	1615.63	1616.51			