

RTD Temperature Vs. Resistance Table

PLATINUM : PP TCR = 0.00391

$R_0 = 500$

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	96.0381	94.8231	93.6074	92.3913	91.1746	89.9573	88.7394	87.5210	86.3020	
-310	108.158	106.949	105.739	104.528	103.317	102.105	100.893	99.6799	98.4665	97.2526
-300	120.225	119.020	117.815	116.610	115.404	114.198	112.991	111.784	110.576	109.367
-290	132.239	131.040	129.840	128.640	127.439	126.238	125.036	123.834	122.631	121.428
-280	144.203	143.009	141.814	140.619	139.423	138.227	137.030	135.833	134.636	133.438
-270	156.119	154.929	153.739	152.549	151.358	150.167	148.975	147.783	146.590	145.397
-260	167.988	166.803	165.618	164.432	163.246	162.059	160.872	159.684	158.496	157.308
-250	179.812	178.632	177.451	176.269	175.088	173.906	172.723	171.540	170.356	169.172
-240	191.593	190.417	189.240	188.063	186.886	185.708	184.529	183.351	182.172	180.992
-230	203.331	202.159	200.987	199.814	198.641	197.467	196.293	195.119	193.944	192.768
-220	215.030	213.862	212.693	211.524	210.355	209.186	208.016	206.845	205.674	204.503
-210	226.689	225.525	224.360	223.195	222.030	220.864	219.698	218.532	217.365	216.197
-200	238.311	237.151	235.990	234.829	233.667	232.505	231.343	230.180	229.017	227.853
-190	249.897	248.740	247.583	246.425	245.267	244.109	242.950	241.791	240.631	239.471
-180	261.448	260.295	259.141	257.986	256.832	255.677	254.522	253.366	252.210	251.054
-170	272.966	271.815	270.665	269.514	268.363	267.211	266.059	264.907	263.754	262.601
-160	284.451	283.304	282.156	281.009	279.861	278.712	277.564	276.415	275.265	274.116
-150	295.905	294.761	293.616	292.472	291.327	290.182	289.036	287.890	286.744	285.598
-140	307.329	306.188	305.046	303.905	302.763	301.621	300.478	299.335	298.192	297.049
-130	318.724	317.586	316.447	315.308	314.169	313.030	311.890	310.750	309.610	308.470
-120	330.091	328.955	327.820	326.684	325.547	324.411	323.274	322.137	320.999	319.862
-110	341.431	340.298	339.165	338.032	336.898	335.764	334.630	333.496	332.361	331.226
-100	352.745	351.615	350.484	349.354	348.223	347.091	345.960	344.828	343.696	342.564
-90	364.034	362.906	361.778	360.650	359.521	358.393	357.264	356.134	355.005	353.875
-80	375.299	374.173	373.048	371.922	370.796	369.669	368.543	367.416	366.289	365.162
-70	386.540	385.417	384.293	383.170	382.046	380.922	379.798	378.673	377.549	376.424
-60	397.758	396.637	395.516	394.395	393.274	392.152	391.030	389.908	388.785	387.663
-50	408.954	407.836	406.717	405.598	404.478	403.359	402.239	401.119	399.999	398.879
-40	420.129	419.013	417.896	416.779	415.662	414.544	413.427	412.309	411.191	410.073
-30	431.283	430.168	429.054	427.939	426.824	425.709	424.593	423.477	422.362	421.245
-20	442.416	441.304	440.191	439.078	437.965	436.852	435.739	434.625	433.511	432.397
-10	453.530	452.420	451.309	450.198	449.087	447.976	446.864	445.753	444.641	443.529
-0	464.624	463.516	462.407	461.298	460.189	459.080	457.970	456.860	455.751	454.640

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0	464.624	465.733	466.841	467.949	469.057	470.164	471.272	472.379	473.486	474.593
10	475.700	476.806	477.912	479.019	480.125	481.230	482.336	483.441	484.546	485.651
20	486.756	487.861	488.965	490.070	491.174	492.278	493.381	494.485	495.588	496.692
30	497.795	498.897	500.000	501.102	502.205	503.307	504.409	505.511	506.612	507.713
40	508.815	509.916	511.017	512.117	513.218	514.318	515.418	516.518	517.618	518.717
50	519.817	520.916	522.015	523.114	524.213	525.311	526.409	527.507	528.605	529.703
60	530.801	531.898	532.995	534.092	535.189	536.286	537.383	538.479	539.575	540.671
70	541.767	542.862	543.958	545.053	546.148	547.243	548.338	549.432	550.527	551.621
80	552.715	553.808	554.902	555.996	557.089	558.182	559.275	560.367	561.460	562.552
90	563.645	564.737	565.828	566.920	568.011	569.103	570.194	571.285	572.375	573.466
100	574.556	575.647	576.737	577.826	578.916	580.006	581.095	582.184	583.273	584.362
110	585.450	586.539	587.627	588.715	589.803	590.890	591.978	593.065	594.152	595.239
120	596.326	597.412	598.499	599.585	600.671	601.757	602.843	603.928	605.013	606.099
130	607.183	608.268	609.353	610.437	611.521	612.606	613.689	614.773	615.857	616.940
140	618.023	619.106	620.189	621.271	622.354	623.436	624.518	625.600	626.682	627.763
150	628.845	629.926	631.007	632.088	633.168	634.249	635.329	636.409	637.489	638.569
160	639.648	640.727	641.807	642.886	643.964	645.043	646.122	647.200	648.278	649.356
170	650.434	651.511	652.588	653.666	654.743	655.820	656.896	657.973	659.049	660.125
180	661.201	662.277	663.352	664.428	665.503	666.578	667.653	668.727	669.802	670.876
190	671.950	673.024	674.098	675.172	676.245	677.318	678.391	679.464	680.537	681.609
200	682.682	683.754	684.826	685.897	686.969	688.040	689.112	690.183	691.254	692.324
210	693.395	694.465	695.535	696.605	697.675	698.745	699.814	700.883	701.952	703.021
220	704.090	705.158	706.227	707.295	708.363	709.431	710.498	711.566	712.633	713.700
230	714.767	715.834	716.900	717.967	719.033	720.099	721.165	722.230	723.296	724.361
240	725.426	726.491	727.556	728.620	729.685	730.749	731.813	732.877	733.940	735.004
250	736.067	737.130	738.193	739.256	740.318	741.381	742.443	743.505	744.567	745.629
260	746.690	747.751	748.812	749.873	750.934	751.995	753.055	754.115	755.175	756.235
270	757.295	758.354	759.414	760.473	761.532	762.591	763.649	764.708	765.766	766.824
280	767.882	768.939	769.997	771.054	772.111	773.168	774.225	775.282	776.338	777.395
290	778.451	779.506	780.562	781.618	782.673	783.728	784.783	785.838	786.893	787.947
300	789.001	790.055	791.109	792.163	793.217	794.270	795.323	796.376	797.429	798.482
310	799.534	800.586	801.638	802.690	803.742	804.794	805.845	806.896	807.947	808.998
320	810.049	811.099	812.149	813.200	814.249	815.299	816.349	817.398	818.447	819.496
330	820.545	821.594	822.642	823.691	824.739	825.787	826.834	827.882	828.929	829.977

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340	831.024	832.071	833.117	834.164	835.210	836.256	837.302	838.348	839.394	840.439
350	841.484	842.529	843.574	844.619	845.663	846.708	847.752	848.796	849.840	850.883
360	851.927	852.970	854.013	855.056	856.099	857.141	858.183	859.226	860.268	861.309
370	862.351	863.392	864.434	865.475	866.516	867.556	868.597	869.637	870.677	871.717
380	872.757	873.797	874.836	875.876	876.915	877.954	878.992	880.031	881.069	882.108
390	883.146	884.183	885.221	886.258	887.296	888.333	889.370	890.407	891.443	892.480
400	893.516	894.552	895.588	896.623	897.659	898.694	899.729	900.764	901.799	902.833
410	903.868	904.902	905.936	906.970	908.004	909.037	910.070	911.104	912.137	913.169
420	914.202	915.234	916.267	917.299	918.331	919.362	920.394	921.425	922.456	923.487
430	924.518	925.549	926.579	927.609	928.639	929.669	930.699	931.728	932.758	933.787
440	934.816	935.845	936.873	937.902	938.930	939.958	940.986	942.014	943.041	944.069
450	945.096	946.123	947.150	948.176	949.203	950.229	951.255	952.281	953.307	954.332
460	955.358	956.383	957.408	958.433	959.457	960.482	961.506	962.530	963.554	964.578
470	965.602	966.625	967.648	968.671	969.694	970.717	971.739	972.761	973.784	974.806
480	975.827	976.849	977.870	978.892	979.913	980.933	981.954	982.975	983.995	985.015
490	986.035	987.055	988.074	989.094	990.113	991.132	992.151	993.170	994.188	995.207
500	996.225	997.243	998.260	999.278	1000.30	1001.31	1002.33	1003.35	1004.36	1005.38
510	1006.40	1007.41	1008.43	1009.44	1010.46	1011.48	1012.49	1013.51	1014.52	1015.54
520	1016.55	1017.56	1018.58	1019.59	1020.61	1021.62	1022.63	1023.65	1024.66	1025.67
530	1026.69	1027.70	1028.71	1029.72	1030.73	1031.75	1032.76	1033.77	1034.78	1035.79
540	1036.80	1037.81	1038.82	1039.83	1040.84	1041.85	1042.86	1043.87	1044.88	1045.89
550	1046.90	1047.91	1048.92	1049.93	1050.94	1051.95	1052.95	1053.96	1054.97	1055.98
560	1056.98	1057.99	1059.00	1060.00	1061.01	1062.02	1063.02	1064.03	1065.04	1066.04
570	1067.05	1068.05	1069.06	1070.06	1071.07	1072.07	1073.08	1074.08	1075.08	1076.09
580	1077.09	1078.10	1079.10	1080.10	1081.11	1082.11	1083.11	1084.11	1085.12	1086.12
590	1087.12	1088.12	1089.12	1090.12	1091.12	1092.13	1093.13	1094.13	1095.13	1096.13
600	1097.13	1098.13	1099.13	1100.13	1101.13	1102.13	1103.13	1104.12	1105.12	1106.12
610	1107.12	1108.12	1109.12	1110.11	1111.11	1112.11	1113.11	1114.10	1115.10	1116.10
620	1117.09	1118.09	1119.08	1120.08	1121.08	1122.07	1123.07	1124.06	1125.06	1126.05
630	1127.05	1128.04	1129.04	1130.03	1131.02	1132.02	1133.01	1134.01	1135.00	1135.99
640	1136.98	1137.98	1138.97	1139.96	1140.95	1141.95	1142.94	1143.93	1144.92	1145.91
650	1146.90	1147.89	1148.88	1149.88	1150.87	1151.86	1152.85	1153.84	1154.83	1155.81
660	1156.80	1157.79	1158.78	1159.77	1160.76	1161.75	1162.74	1163.72	1164.71	1165.70
670	1166.69	1167.67	1168.66	1169.65	1170.63	1171.62	1172.61	1173.59	1174.58	1175.57

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Temp °F	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
680	1176.55	1177.54	1178.52	1179.51	1180.49	1181.48	1182.46	1183.45	1184.43	1185.41
690	1186.40	1187.38	1188.37	1189.35	1190.33	1191.31	1192.30	1193.28	1194.26	1195.24
700	1196.23	1197.21	1198.19	1199.17	1200.15	1201.13	1202.11	1203.10	1204.08	1205.06
710	1206.04	1207.02	1208.00	1208.98	1209.96	1210.94	1211.91	1212.89	1213.87	1214.85
720	1215.83	1216.81	1217.79	1218.76	1219.74	1220.72	1221.70	1222.67	1223.65	1224.63
730	1225.60	1226.58	1227.56	1228.53	1229.51	1230.48	1231.46	1232.44	1233.41	1234.39
740	1235.36	1236.33	1237.31	1238.28	1239.26	1240.23	1241.21	1242.18	1243.15	1244.13
750	1245.10	1246.07	1247.04	1248.02	1248.99	1249.96	1250.93	1251.90	1252.88	1253.85
760	1254.82	1255.79	1256.76	1257.73	1258.70	1259.67	1260.64	1261.61	1262.58	1263.55
770	1264.52	1265.49	1266.46	1267.43	1268.40	1269.37	1270.33	1271.30	1272.27	1273.24
780	1274.21	1275.17	1276.14	1277.11	1278.07	1279.04	1280.01	1280.97	1281.94	1282.91
790	1283.87	1284.84	1285.80	1286.77	1287.73	1288.70	1289.66	1290.63	1291.59	1292.56
800	1293.52	1294.48	1295.45	1296.41	1297.37	1298.34	1299.30	1300.26	1301.22	1302.19
810	1303.15	1304.11	1305.07	1306.03	1307.00	1307.96	1308.92	1309.88	1310.84	1311.80
820	1312.76	1313.72	1314.68	1315.64	1316.60	1317.56	1318.52	1319.48	1320.44	1321.40
830	1322.35	1323.31	1324.27	1325.23	1326.19	1327.15	1328.10	1329.06	1330.02	1330.97
840	1331.93	1332.89	1333.84	1334.80	1335.76	1336.71	1337.67	1338.62	1339.58	1340.53
850	1341.49	1342.44	1343.40	1344.35	1345.31	1346.26	1347.21	1348.17	1349.12	1350.08
860	1351.03	1351.98	1352.93	1353.89	1354.84	1355.79	1356.74	1357.70	1358.65	1359.60
870	1360.55	1361.50	1362.45	1363.40	1364.35	1365.30	1366.25	1367.20	1368.15	1369.10
880	1370.05	1371.00	1371.95	1372.90	1373.85	1374.80	1375.75	1376.70	1377.64	1378.59
890	1379.54	1380.49	1381.43	1382.38	1383.33	1384.28	1385.22	1386.17	1387.11	1388.06
900	1389.01	1389.95	1390.90	1391.84	1392.79	1393.73	1394.68	1395.62	1396.57	1397.51
910	1398.46	1399.40	1400.34	1401.29	1402.23	1403.17	1404.12	1405.06	1406.00	1406.95
920	1407.89	1408.83	1409.77	1410.71	1411.65	1412.60	1413.54	1414.48	1415.42	1416.36
930	1417.30	1418.24	1419.18	1420.12	1421.06	1422.00	1422.94	1423.88	1424.82	1425.76
940	1426.70	1427.63	1428.57	1429.51	1430.45	1431.39	1432.32	1433.26	1434.20	1435.14
950	1436.07	1437.01	1437.95	1438.88	1439.82	1440.76	1441.69	1442.63	1443.56	1444.50
960	1445.43	1446.37	1447.30	1448.24	1449.17	1450.11	1451.04	1451.97	1452.91	1453.84
970	1454.77	1455.71	1456.64	1457.57	1458.50	1459.44	1460.37	1461.30	1462.23	1463.17
980	1464.10	1465.03	1465.96	1466.89	1467.82	1468.75	1469.68	1470.61	1471.54	1472.47
990	1473.40	1474.33	1475.26	1476.19	1477.12	1478.05	1478.98	1479.90	1480.83	1481.76
1000	1482.69	1483.62	1484.54	1485.47	1486.40	1487.33	1488.25	1489.18	1490.11	1491.03
1010	1491.96	1492.88	1493.81	1494.73	1495.66	1496.59	1497.51	1498.43	1499.36	1500.28

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1020	1501.21	1502.13	1503.06	1503.98	1504.90	1505.83	1506.75	1507.67	1508.60	1509.52
1030	1510.44	1511.36	1512.29	1513.21	1514.13	1515.05	1515.97	1516.89	1517.81	1518.74
1040	1519.66	1520.58	1521.50	1522.42	1523.34	1524.26	1525.18	1526.10	1527.01	1527.93
1050	1528.85	1529.77	1530.69	1531.61	1532.53	1533.44	1534.36	1535.28	1536.20	1537.11
1060	1538.03	1538.95	1539.86	1540.78	1541.70	1542.61	1543.53	1544.45	1545.36	1546.28
1070	1547.19	1548.11	1549.02	1549.94	1550.85	1551.77	1552.68	1553.59	1554.51	1555.42
1080	1556.33	1557.25	1558.16	1559.07	1559.99	1560.90	1561.81	1562.72	1563.64	1564.55
1090	1565.46	1566.37	1567.28	1568.19	1569.10	1570.01	1570.92	1571.84	1572.75	1573.66
1100	1574.57	1575.47	1576.38	1577.29	1578.20	1579.11	1580.02	1580.93	1581.84	1582.75
1110	1583.65	1584.56	1585.47	1586.38	1587.28	1588.19	1589.10	1590.00	1590.91	1591.82
1120	1592.72	1593.63	1594.54	1595.44	1596.35	1597.25	1598.16	1599.06	1599.97	1600.87
1130	1601.78	1602.68	1603.58	1604.49	1605.39	1606.30	1607.20	1608.10	1609.00	1609.91
1140	1610.81	1611.71	1612.61	1613.52	1614.42	1615.32	1616.22	1617.12	1618.02	1618.93
1150	1619.83	1620.73	1621.63	1622.53	1623.43	1624.33	1625.23	1626.13	1627.03	1627.93
1160	1628.82	1629.72	1630.62	1631.52	1632.42	1633.32	1634.21			