

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 °C	-0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-200	86.3020									
-190	108.158	105.981	103.801	101.620	99.4373	97.2526	95.0661	92.8778	90.6877	88.4958
-180	129.840	127.679	125.517	123.353	121.188	119.020	116.851	114.681	112.508	110.334
-170	151.358	149.213	147.067	144.919	142.770	140.619	138.466	136.312	134.156	131.999
-160	172.723	170.593	168.462	166.329	164.195	162.059	159.922	157.783	155.643	153.501
-150	193.944	191.828	189.711	187.592	185.472	183.351	181.228	179.104	176.978	174.851
-140	215.030	212.927	210.823	208.718	206.611	204.503	202.394	200.283	198.171	196.058
-130	235.990	233.899	231.808	229.715	227.620	225.525	223.428	221.331	219.232	217.131
-120	256.832	254.753	252.673	250.591	248.509	246.425	244.340	242.254	240.167	238.079
-110	277.564	275.495	273.426	271.355	269.284	267.211	265.137	263.063	260.987	258.910
-100	298.192	296.134	294.074	292.014	289.953	287.890	285.827	283.763	281.697	279.631
-90	318.724	316.675	314.625	312.574	310.522	308.470	306.416	304.361	302.306	300.249
-80	339.165	337.125	335.084	333.042	330.999	328.955	326.911	324.865	322.819	320.772
-70	359.521	357.490	355.457	353.423	351.389	349.354	347.318	345.281	343.243	341.204
-60	379.798	377.774	375.749	373.723	371.697	369.669	367.641	365.613	363.583	361.553
-50	399.999	397.982	395.965	393.946	391.927	389.908	387.887	385.866	383.844	381.821
-40	420.129	418.119	416.109	414.097	412.085	410.073	408.059	406.045	404.031	402.015
-30	440.191	438.188	436.184	434.180	432.174	430.168	428.162	426.155	424.147	422.138
-20	460.189	458.192	456.194	454.196	452.198	450.198	448.198	446.197	444.196	442.194
-10	480.125	478.134	476.142	474.150	472.158	470.164	468.171	466.176	464.181	462.185
-0	500.000	498.015	496.030	494.044	492.057	490.070	488.082	486.093	484.104	482.115

Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
0	500.000	501.984	503.968	505.951	507.934	509.916	511.897	513.878	515.858	517.838
10	519.817	521.795	523.773	525.750	527.727	529.703	531.679	533.654	535.628	537.602
20	539.575	541.548	543.520	545.491	547.462	549.432	551.402	553.371	555.339	557.307
30	559.275	561.242	563.208	565.173	567.138	569.103	571.067	573.030	574.992	576.955
40	578.916	580.877	582.837	584.797	586.756	588.715	590.673	592.630	594.587	596.543
50	598.499	600.454	602.408	604.362	606.316	608.268	610.220	612.172	614.123	616.073
60	618.023	619.972	621.921	623.869	625.816	627.763	629.710	631.655	633.600	635.545
70	637.489	639.432	641.375	643.317	645.259	647.200	649.140	651.080	653.019	654.958
80	656.896	658.834	660.771	662.707	664.643	666.578	668.512	670.446	672.380	674.313
90	676.245	678.177	680.108	682.038	683.968	685.897	687.826	689.754	691.682	693.609

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100	695.535	697.461	699.386	701.311	703.235	705.158	707.081	709.004	710.925	712.847
110	714.767	716.687	718.606	720.525	722.443	724.361	726.278	728.195	730.110	732.026
120	733.940	735.854	737.768	739.681	741.593	743.505	745.416	747.327	749.237	751.146
130	753.055	754.963	756.871	758.778	760.685	762.591	764.496	766.401	768.305	770.208
140	772.111	774.014	775.916	777.817	779.718	781.618	783.517	785.416	787.314	789.212
150	791.109	793.006	794.902	796.797	798.692	800.586	802.480	804.373	806.265	808.157
160	810.049	811.939	813.829	815.719	817.608	819.496	821.384	823.271	825.158	827.044
170	828.929	830.814	832.699	834.582	836.465	838.348	840.230	842.111	843.992	845.872
180	847.752	849.631	851.509	853.387	855.264	857.141	859.017	860.893	862.768	864.642
190	866.516	868.389	870.261	872.133	874.005	875.876	877.746	879.616	881.485	883.353
200	885.221	887.088	888.955	890.821	892.687	894.552	896.416	898.280	900.143	902.006
210	903.868	905.729	907.590	909.451	911.310	913.169	915.028	916.886	918.743	920.600
220	922.456	924.312	926.167	928.021	929.875	931.728	933.581	935.433	937.285	939.136
230	940.986	942.836	944.685	946.534	948.382	950.229	952.076	953.922	955.768	957.613
240	959.457	961.301	963.145	964.987	966.830	968.671	970.512	972.353	974.192	976.032
250	977.870	979.708	981.546	983.383	985.219	987.055	988.890	990.725	992.558	994.392
260	996.225	998.057	999.889	1001.72	1003.55	1005.38	1007.21	1009.04	1010.87	1012.69
270	1014.52	1016.35	1018.17	1020.00	1021.82	1023.65	1025.47	1027.29	1029.12	1030.94
280	1032.76	1034.58	1036.40	1038.22	1040.04	1041.85	1043.67	1045.49	1047.31	1049.12
290	1050.94	1052.75	1054.57	1056.38	1058.19	1060.00	1061.82	1063.63	1065.44	1067.25
300	1069.06	1070.87	1072.67	1074.48	1076.29	1078.10	1079.90	1081.71	1083.51	1085.32
310	1087.12	1088.92	1090.72	1092.53	1094.33	1096.13	1097.93	1099.73	1101.53	1103.32
320	1105.12	1106.92	1108.72	1110.51	1112.31	1114.10	1115.90	1117.69	1119.48	1121.28
330	1123.07	1124.86	1126.65	1128.44	1130.23	1132.02	1133.81	1135.59	1137.38	1139.17
340	1140.95	1142.74	1144.52	1146.31	1148.09	1149.88	1151.66	1153.44	1155.22	1157.00
350	1158.78	1160.56	1162.34	1164.12	1165.90	1167.67	1169.45	1171.23	1173.00	1174.78
360	1176.55	1178.32	1180.10	1181.87	1183.64	1185.41	1187.18	1188.96	1190.72	1192.49
370	1194.26	1196.03	1197.80	1199.56	1201.33	1203.10	1204.86	1206.63	1208.39	1210.15
380	1211.91	1213.68	1215.44	1217.20	1218.96	1220.72	1222.48	1224.24	1225.99	1227.75
390	1229.51	1231.26	1233.02	1234.78	1236.53	1238.28	1240.04	1241.79	1243.54	1245.29
400	1247.04	1248.79	1250.54	1252.29	1254.04	1255.79	1257.54	1259.28	1261.03	1262.78
410	1264.52	1266.27	1268.01	1269.75	1271.50	1273.24	1274.98	1276.72	1278.46	1280.20
420	1281.94	1283.68	1285.42	1287.15	1288.89	1290.63	1292.36	1294.10	1295.83	1297.57
430	1299.30	1301.03	1302.76	1304.50	1306.23	1307.96	1309.69	1311.42	1313.15	1314.87

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Temp °C	+0	+1	+2	+3	+4	+5	+6	+7	+8	+9
440	1316.60	1318.33	1320.05	1321.78	1323.51	1325.23	1326.95	1328.68	1330.40	1332.12
450	1333.84	1335.56	1337.29	1339.01	1340.72	1342.44	1344.16	1345.88	1347.60	1349.31
460	1351.03	1352.74	1354.46	1356.17	1357.89	1359.60	1361.31	1363.02	1364.73	1366.44
470	1368.15	1369.86	1371.57	1373.28	1374.99	1376.70	1378.40	1380.11	1381.81	1383.52
480	1385.22	1386.93	1388.63	1390.33	1392.03	1393.73	1395.43	1397.13	1398.83	1400.53
490	1402.23	1403.93	1405.63	1407.32	1409.02	1410.71	1412.41	1414.10	1415.80	1417.49
500	1419.18	1420.87	1422.56	1424.25	1425.95	1427.63	1429.32	1431.01	1432.70	1434.39
510	1436.07	1437.76	1439.44	1441.13	1442.81	1444.50	1446.18	1447.86	1449.54	1451.23
520	1452.91	1454.59	1456.27	1457.95	1459.62	1461.30	1462.98	1464.66	1466.33	1468.01
530	1469.68	1471.36	1473.03	1474.70	1476.38	1478.05	1479.72	1481.39	1483.06	1484.73
540	1486.40	1488.07	1489.73	1491.40	1493.07	1494.73	1496.40	1498.07	1499.73	1501.39
550	1503.06	1504.72	1506.38	1508.04	1509.70	1511.36	1513.02	1514.68	1516.34	1518.00
560	1519.66	1521.31	1522.97	1524.62	1526.28	1527.93	1529.59	1531.24	1532.89	1534.55
570	1536.20	1537.85	1539.50	1541.15	1542.80	1544.45	1546.09	1547.74	1549.39	1551.03
580	1552.68	1554.32	1555.97	1557.61	1559.26	1560.90	1562.54	1564.18	1565.82	1567.46
590	1569.10	1570.74	1572.38	1574.02	1575.66	1577.29	1578.93	1580.57	1582.20	1583.84
600	1585.47	1587.10	1588.74	1590.37	1592.00	1593.63	1595.26	1596.89	1598.52	1600.15
610	1601.78	1603.40	1605.03	1606.66	1608.28	1609.91	1611.53	1613.16	1614.78	1616.40
620	1618.02	1619.65	1621.27	1622.89	1624.51	1626.13	1627.75	1629.36	1630.98	1632.60
630	1634.21									