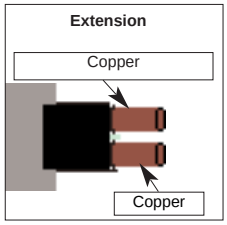
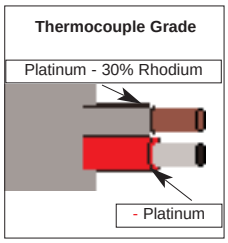
Technical Information Data Bulletin

Type B Thermocouple
Platinum-Rhodium

TEMPERATURE & PROCESS INSTRUMENTS INC



Temperature vs Millivolt Table
Reference Junction 32°F



Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 3092°F
-0 to 1700°C
Extension Grade: 32 to 212°F
0 to 100°C

Maximum Thermocouple Grade
Temperature Range
32 to 3308°F
0 to 1820°C
Accuracy: Standard: 0.5% over 800°C
Special: NA

Recommended Applications:
Oxidizing or Inert Environments. Do Not Insert in Metal Tubes, Beware of Contamination, High Temperature Applications.
Uses Copper Wire for Extension Wire.

Temp	0	1	2	3	4	5	6	7	8	9
30			0.0000	-0.0001	-0.0003	-0.0004	-0.0005	-0.0006	-0.0008	-0.0009
40	-0.0010	-0.0011	-0.0012	-0.0013	-0.0014	-0.0015	-0.0016	-0.0016	-0.0017	-0.0018
50	-0.0019	-0.0020	-0.0020	-0.0021	-0.0021	-0.0022	-0.0022	-0.0023	-0.0023	-0.0024
60	-0.0024	-0.0024	-0.0025	-0.0025	-0.0025	-0.0025	-0.0026	-0.0026	-0.0026	-0.0026
70	-0.0026	-0.0026	-0.0026	-0.0026	-0.0026	-0.0025	-0.0025	-0.0025	-0.0025	-0.0024
80	-0.0024	-0.0024	-0.0023	-0.0023	-0.0022	-0.0022	-0.0021	-0.0021	-0.0020	-0.0019
90	-0.0019	-0.0018	-0.0017	-0.0016	-0.0015	-0.0015	-0.0014	-0.0013	-0.0012	-0.0011
100	-0.0010	-0.0009	-0.0007	-0.0006	-0.0005	-0.0004	-0.0002	-0.0001	0.0000	0.0002
110	0.0003	0.0005	0.0006	0.0008	0.0009	0.0011	0.0012	0.0014	0.0016	0.0017
120	0.0019	0.0021	0.0023	0.0025	0.0027	0.0029	0.0031	0.0033	0.0035	0.0037
130	0.0039	0.0041	0.0043	0.0045	0.0048	0.0050	0.0052	0.0055	0.0057	0.0060
140	0.0062	0.0065	0.0067	0.0070	0.0072	0.0075	0.0078	0.0080	0.0083	0.0086
150	0.0089	0.0092	0.0094	0.0097	0.0100	0.0103	0.0106	0.0109	0.0113	0.0116
160	0.0119	0.0122	0.0125	0.0129	0.0132	0.0135	0.0139	0.0142	0.0146	0.0149
170	0.0153	0.0156	0.0160	0.0163	0.0167	0.0171	0.0175	0.0178	0.0182	0.0186
180	0.0190	0.0194	0.0198	0.0202	0.0206	0.0210	0.0214	0.0218	0.0222	0.0226
190	0.0230	0.0235	0.0239	0.0243	0.0248	0.0252	0.0257	0.0261	0.0265	0.0270
200	0.0275	0.0279	0.0284	0.0288	0.0293	0.0298	0.0303	0.0308	0.0312	0.0317
210	0.0322	0.0327	0.0332	0.0337	0.0342	0.0347	0.0352	0.0358	0.0363	0.0368
220	0.0373	0.0378	0.0384	0.0389	0.0395	0.0400	0.0405	0.0411	0.0416	0.0422
230	0.0428	0.0433	0.0439	0.0445	0.0450	0.0456	0.0462	0.0468	0.0474	0.0480
240	0.0486	0.0492	0.0498	0.0504	0.0510	0.0516	0.0522	0.0528	0.0534	0.0541
250	0.0547	0.0553	0.0560	0.0566	0.0572	0.0579	0.0585	0.0592	0.0598	0.0605
260	0.0612	0.0618	0.0625	0.0632	0.0638	0.0645	0.0652	0.0659	0.0666	0.0673
270	0.0680	0.0687	0.0694	0.0701	0.0708	0.0715	0.0722	0.0730	0.0737	0.0744
280	0.0751	0.0759	0.0766	0.0773	0.0781	0.0788	0.0796	0.0803	0.0811	0.0819
290	0.0826	0.0834	0.0842	0.0849	0.0857	0.0865	0.0873	0.0881	0.0889	0.0897
300	0.0905	0.0913	0.0921	0.0929	0.0937	0.0945	0.0953	0.0961	0.0970	0.0978
310	0.0986	0.0995	0.1003	0.1011	0.1020	0.1028	0.1037	0.1045	0.1054	0.1063
320	0.1071	0.1080	0.1089	0.1098	0.1106	0.1115	0.1124	0.1133	0.1142	0.1151
330	0.1160	0.1169	0.1178	0.1187	0.1196	0.1205	0.1214	0.1224	0.1233	0.1242
340	0.1252	0.1261	0.1270	0.1280	0.1289	0.1299	0.1308	0.1318	0.1327	0.1337
350	0.1347	0.1356	0.1366	0.1376	0.1386	0.1396	0.1405	0.1415	0.1425	0.1435
360	0.1445	0.1455	0.1465	0.1475	0.1485	0.1496	0.1506	0.1516	0.1526	0.1537
370	0.1547	0.1557	0.1568	0.1578	0.1589	0.1599	0.1610	0.1620	0.1631	0.1641
380	0.1652	0.1663	0.1674	0.1684	0.1695	0.1706	0.1717	0.1728	0.1739	0.1750
390	0.1761	0.1772	0.1783	0.1794	0.1805	0.1816	0.1827	0.1838	0.1850	0.1861
400	0.1872	0.1884	0.1895	0.1906	0.1918	0.1929	0.1941	0.1953	0.1964	0.1976
410	0.1987	0.1999	0.2011	0.2023	0.2034	0.2046	0.2058	0.2070	0.2082	0.2094
420	0.2106	0.2118	0.2130	0.2142	0.2154	0.2166	0.2178	0.2191	0.2203	0.2215
430	0.2227	0.2240	0.2252	0.2265	0.2277	0.2289	0.2302	0.2315	0.2327	0.2340
440	0.2352	0.2365	0.2378	0.2390	0.2403	0.2416	0.2429	0.2442	0.2455	0.2468
450	0.2481	0.2494	0.2507	0.2520	0.2533	0.2546	0.2559	0.2572	0.2586	0.2599
460	0.2612	0.2625	0.2639	0.2652	0.2666	0.2679	0.2693	0.2706	0.2720	0.2733
470	0.2747	0.2760	0.2774	0.2788	0.2802	0.2815	0.2829	0.2843	0.2857	0.2871
480	0.2885	0.2899	0.2913	0.2927	0.2941	0.2955	0.2969	0.2983	0.2998	0.3012
490	0.3026	0.3040	0.3055	0.3069	0.3084	0.3098	0.3112	0.3127	0.3141	0.3156
500	0.3171	0.3185	0.3200	0.3215	0.3229	0.3244	0.3259	0.3274	0.3289	0.3303

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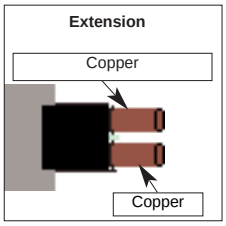
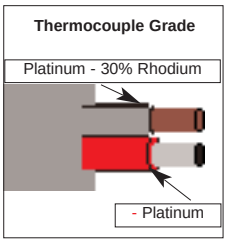
Technical Information Data Bulletin

Type B Thermocouple
Platinum-Rhodium

TEMPERATURE & PROCESS INSTRUMENTS INC



Temperature vs Millivolt Table
Reference Junction 32°F



Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 3092°F
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Maximum Thermocouple Grade
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Special: NA

Recommended Applications:
Oxidizing or Inert Environments. Do Not Insert in Metal Tubes, Beware of Contamination, High Temperature Applications. Uses Copper Wire for Extension Wire.

Temp	0	1	2	3	4	5	6	7	8	9
510	0.3318	0.3333	0.3348	0.3363	0.3378	0.3394	0.3409	0.3424	0.3439	0.3454
520	0.3469	0.3485	0.3500	0.3515	0.3531	0.3546	0.3562	0.3577	0.3593	0.3608
530	0.3624	0.3639	0.3655	0.3671	0.3686	0.3702	0.3718	0.3734	0.3749	0.3765
540	0.3781	0.3797	0.3813	0.3829	0.3845	0.3861	0.3877	0.3893	0.3909	0.3926
550	0.3942	0.3958	0.3974	0.3991	0.4007	0.4023	0.4040	0.4056	0.4073	0.4089
560	0.4106	0.4122	0.4139	0.4155	0.4172	0.4189	0.4206	0.4222	0.4239	0.4256
570	0.4273	0.4290	0.4307	0.4323	0.4340	0.4357	0.4375	0.4392	0.4409	0.4426
580	0.4443	0.4460	0.4477	0.4495	0.4512	0.4529	0.4547	0.4564	0.4582	0.4599
590	0.4616	0.4634	0.4652	0.4669	0.4687	0.4704	0.4722	0.4740	0.4758	0.4775
600	0.4793	0.4811	0.4829	0.4847	0.4865	0.4883	0.4901	0.4919	0.4937	0.4955
610	0.4973	0.4991	0.5009	0.5028	0.5046	0.5064	0.5082	0.5101	0.5119	0.5138
620	0.5156	0.5174	0.5193	0.5211	0.5230	0.5249	0.5267	0.5286	0.5305	0.5323
630	0.5342	0.5361	0.5380	0.5399	0.5417	0.5436	0.5455	0.5474	0.5493	0.5512
640	0.5531	0.5551	0.5570	0.5589	0.5608	0.5627	0.5647	0.5666	0.5685	0.5704
650	0.5724	0.5743	0.5763	0.5782	0.5802	0.5821	0.5841	0.5860	0.5880	0.5900
660	0.5919	0.5939	0.5959	0.5979	0.5999	0.6018	0.6038	0.6058	0.6078	0.6098
670	0.6118	0.6138	0.6158	0.6178	0.6199	0.6219	0.6239	0.6259	0.6279	0.6300
680	0.6320	0.6340	0.6361	0.6381	0.6402	0.6422	0.6443	0.6463	0.6484	0.6504
690	0.6525	0.6546	0.6566	0.6587	0.6608	0.6629	0.6650	0.6670	0.6691	0.6712
700	0.6733	0.6754	0.6775	0.6796	0.6817	0.6838	0.6860	0.6881	0.6902	0.6923
710	0.6944	0.6966	0.6987	0.7008	0.7030	0.7051	0.7073	0.7094	0.7116	0.7137
720	0.7159	0.7180	0.7202	0.7224	0.7245	0.7267	0.7289	0.7311	0.7332	0.7354
730	0.7376	0.7398	0.7420	0.7442	0.7464	0.7486	0.7508	0.7530	0.7552	0.7575
740	0.7597	0.7619	0.7641	0.7663	0.7686	0.7708	0.7730	0.7753	0.7775	0.7798
750	0.7820	0.7843	0.7865	0.7888	0.7911	0.7933	0.7956	0.7979	0.8001	0.8024
760	0.8047	0.8070	0.8093	0.8116	0.8138	0.8161	0.8184	0.8207	0.8230	0.8254
770	0.8277	0.8300	0.8323	0.8346	0.8369	0.8393	0.8416	0.8439	0.8463	0.8486
780	0.8509	0.8533	0.8556	0.8580	0.8603	0.8627	0.8651	0.8674	0.8698	0.8722
790	0.8745	0.8769	0.8793	0.8817	0.8840	0.8864	0.8888	0.8912	0.8936	0.8960
800	0.8984	0.9008	0.9032	0.9056	0.9081	0.9105	0.9129	0.9153	0.9177	0.9202
810	0.9226	0.9250	0.9275	0.9299	0.9324	0.9348	0.9373	0.9397	0.9422	0.9446
820	0.9471	0.9496	0.9520	0.9545	0.9570	0.9595	0.9619	0.9644	0.9669	0.9694
830	0.9719	0.9744	0.9769	0.9794	0.9819	0.9844	0.9869	0.9894	0.9919	0.9945
840	0.9970	0.9995	1.0020	1.0046	1.0071	1.0097	1.0122	1.0147	1.0173	1.0198
850	1.0224	1.0249	1.0275	1.0301	1.0326	1.0352	1.0378	1.0403	1.0429	1.0455
860	1.0481	1.0507	1.0533	1.0558	1.0584	1.0610	1.0636	1.0662	1.0689	1.0715
870	1.0741	1.0767	1.0793	1.0819	1.0846	1.0872	1.0898	1.0924	1.0951	1.0977
880	1.1004	1.1030	1.1057	1.1083	1.1110	1.1136	1.1163	1.1189	1.1216	1.1243
890	1.1270	1.1296	1.1323	1.1350	1.1377	1.1404	1.1431	1.1457	1.1484	1.1511
900	1.1538	1.1565	1.1593	1.1620	1.1647	1.1674	1.1701	1.1728	1.1756	1.1783
910	1.1810	1.1838	1.1865	1.1892	1.1920	1.1947	1.1975	1.2002	1.2030	1.2057
920	1.2085	1.2113	1.2140	1.2168	1.2196	1.2223	1.2251	1.2279	1.2307	1.2335
930	1.2363	1.2391	1.2419	1.2447	1.2475	1.2503	1.2531	1.2559	1.2587	1.2615
940	1.2643	1.2671	1.2700	1.2728	1.2756	1.2785	1.2813	1.2841	1.2870	1.2898
950	1.2927	1.2955	1.2984	1.3012	1.3041	1.3070	1.3098	1.3127	1.3156	1.3184
960	1.3213	1.3242	1.3271	1.3300	1.3329	1.3358	1.3386	1.3415	1.3444	1.3474
970	1.3503	1.3532	1.3561	1.3590	1.3619	1.3648	1.3678	1.3707	1.3736	1.3765
980	1.3795	1.3824	1.3854	1.3883	1.3912	1.3942	1.3972	1.4001	1.4031	1.4060
990	1.4090	1.4120	1.4149	1.4179	1.4209	1.4239	1.4268	1.4298	1.4328	1.4358

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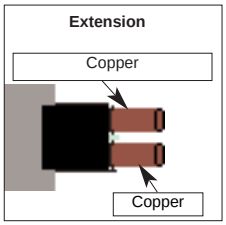
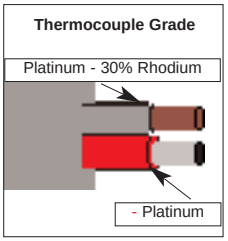


Temperature vs Millivolt Table
Reference Junction 32°F



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1000	1.4388	1.4418	1.4448	1.4478	1.4508	1.4538	1.4568	1.4598	1.4628	1.4659
1010	1.4689	1.4719	1.4749	1.4780	1.4810	1.4840	1.4871	1.4901	1.4931	1.4962
1020	1.4992	1.5023	1.5054	1.5084	1.5115	1.5145	1.5176	1.5207	1.5237	1.5268
1030	1.5299	1.5330	1.5361	1.5391	1.5422	1.5453	1.5484	1.5515	1.5546	1.5577
1040	1.5608	1.5639	1.5671	1.5702	1.5733	1.5764	1.5795	1.5827	1.5858	1.5889
1050	1.5921	1.5952	1.5983	1.6015	1.6046	1.6078	1.6109	1.6141	1.6172	1.6204
1060	1.6236	1.6267	1.6299	1.6331	1.6362	1.6394	1.6426	1.6458	1.6490	1.6522
1070	1.6553	1.6585	1.6617	1.6649	1.6681	1.6713	1.6745	1.6778	1.6810	1.6842
1080	1.6874	1.6906	1.6938	1.6971	1.7003	1.7035	1.7068	1.7100	1.7133	1.7165
1090	1.7197	1.7230	1.7262	1.7295	1.7328	1.7360	1.7393	1.7425	1.7458	1.7491
1100	1.7524	1.7556	1.7589	1.7622	1.7655	1.7688	1.7721	1.7754	1.7787	1.7820
1110	1.7853	1.7886	1.7919	1.7952	1.7985	1.8018	1.8051	1.8085	1.8118	1.8151
1120	1.8184	1.8218	1.8251	1.8284	1.8318	1.8351	1.8385	1.8418	1.8452	1.8485
1130	1.8519	1.8552	1.8586	1.8620	1.8653	1.8687	1.8721	1.8755	1.8788	1.8822
1140	1.8856	1.8890	1.8924	1.8958	1.8992	1.9026	1.9060	1.9094	1.9128	1.9162
1150	1.9196	1.9230	1.9264	1.9298	1.9333	1.9367	1.9401	1.9436	1.9470	1.9504
1160	1.9539	1.9573	1.9607	1.9642	1.9676	1.9711	1.9746	1.9780	1.9815	1.9849
1170	1.9884	1.9919	1.9953	1.9988	2.0023	2.0058	2.0092	2.0127	2.0162	2.0197
1180	2.0232	2.0267	2.0302	2.0337	2.0372	2.0407	2.0442	2.0477	2.0512	2.0547
1190	2.0582	2.0618	2.0653	2.0688	2.0723	2.0759	2.0794	2.0829	2.0865	2.0900
1200	2.0936	2.0971	2.1007	2.1042	2.1078	2.1113	2.1149	2.1184	2.1220	2.1256
1210	2.1291	2.1327	2.1363	2.1398	2.1434	2.1470	2.1506	2.1542	2.1578	2.1614
1220	2.1650	2.1686	2.1722	2.1758	2.1794	2.1830	2.1866	2.1902	2.1938	2.1974
1230	2.2010	2.2047	2.2083	2.2119	2.2156	2.2192	2.2228	2.2265	2.2301	2.2337
1240	2.2374	2.2410	2.2447	2.2484	2.2520	2.2557	2.2593	2.2630	2.2667	2.2703
1250	2.2740	2.2777	2.2814	2.2850	2.2887	2.2924	2.2961	2.2998	2.3035	2.3072
1260	2.3109	2.3146	2.3183	2.3220	2.3257	2.3294	2.3331	2.3368	2.3406	2.3443
1270	2.3480	2.3517	2.3555	2.3592	2.3629	2.3667	2.3704	2.3742	2.3779	2.3817
1280	2.3854	2.3892	2.3929	2.3967	2.4004	2.4042	2.4080	2.4117	2.4155	2.4193
1290	2.4231	2.4268	2.4306	2.4344	2.4382	2.4420	2.4458	2.4496	2.4534	2.4572
1300	2.4610	2.4648	2.4686	2.4724	2.4762	2.4800	2.4839	2.4877	2.4915	2.4953
1310	2.4992	2.5030	2.5068	2.5107	2.5145	2.5184	2.5222	2.5260	2.5299	2.5338
1320	2.5376	2.5415	2.5453	2.5492	2.5531	2.5569	2.5608	2.5647	2.5685	2.5724
1330	2.5763	2.5802	2.5841	2.5880	2.5919	2.5958	2.5997	2.6036	2.6075	2.6114
1340	2.6153	2.6192	2.6231	2.6270	2.6309	2.6348	2.6388	2.6427	2.6466	2.6506
1350	2.6545	2.6584	2.6624	2.6663	2.6703	2.6742	2.6781	2.6821	2.6861	2.6900
1360	2.6940	2.6979	2.7019	2.7059	2.7098	2.7138	2.7178	2.7218	2.7257	2.7297
1370	2.7337	2.7377	2.7417	2.7457	2.7497	2.7537	2.7577	2.7617	2.7657	2.7697
1380	2.7737	2.7777	2.7817	2.7858	2.7898	2.7938	2.7978	2.8019	2.8059	2.8099
1390	2.8140	2.8180	2.8220	2.8261	2.8301	2.8342	2.8382	2.8423	2.8463	2.8504
1400	2.8545	2.8585	2.8626	2.8667	2.8707	2.8748	2.8789	2.8830	2.8871	2.8911
1410	2.8952	2.8993	2.9034	2.9075	2.9116	2.9157	2.9198	2.9239	2.9280	2.9321
1420	2.9362	2.9404	2.9445	2.9486	2.9527	2.9569	2.9610	2.9651	2.9692	2.9734
1430	2.9775	2.9817	2.9858	2.9900	2.9941	2.9983	3.0024	3.0066	3.0107	3.0149
1440	3.0190	3.0232	3.0274	3.0316	3.0357	3.0399	3.0441	3.0483	3.0524	3.0566
1450	3.0608	3.0650	3.0692	3.0734	3.0776	3.0818	3.0860	3.0902	3.0944	3.0986
1460	3.1029	3.1071	3.1113	3.1155	3.1197	3.1240	3.1282	3.1324	3.1367	3.1409
1470	3.1451	3.1494	3.1536	3.1579	3.1621	3.1664	3.1706	3.1749	3.1791	3.1834

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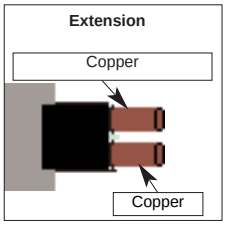
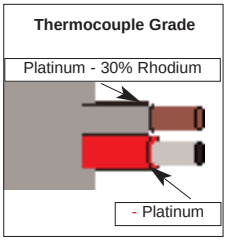
Technical Information Data Bulletin

Type B Thermocouple
Platinum-Rhodium

TEMPERATURE & PROCESS INSTRUMENTS INC



Temperature vs Millivolt Table
Reference Junction 32°F



Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 3092°F
-0 to 1700°C
Extension Grade: 32 to 212°F
0 to 100°C

Maximum Thermocouple Grade
Temperature Range
32 to 3308°F
0 to 1820°C
Accuracy: Standard: 0.5% over 800°C
Special: NA

Recommended Applications:
Oxidizing or Inert Environments. Do Not Insert in Metal Tubes, Beware of Contamination, High Temperature Applications. Uses Copper Wire for Extension Wire.

Temp	0	1	2	3	4	5	6	7	8	9
1480	3.1877	3.1919	3.1962	3.2005	3.2047	3.2090	3.2133	3.2176	3.2219	3.2261
1490	3.2304	3.2347	3.2390	3.2433	3.2476	3.2519	3.2562	3.2605	3.2648	3.2691
1500	3.2735	3.2778	3.2821	3.2864	3.2907	3.2951	3.2994	3.3037	3.3080	3.3124
1510	3.3167	3.3211	3.3254	3.3297	3.3341	3.3384	3.3428	3.3471	3.3515	3.3559
1520	3.3602	3.3646	3.3690	3.3733	3.3777	3.3821	3.3865	3.3908	3.3952	3.3996
1530	3.4040	3.4084	3.4128	3.4172	3.4216	3.4259	3.4304	3.4348	3.4392	3.4436
1540	3.4480	3.4524	3.4568	3.4612	3.4656	3.4701	3.4745	3.4789	3.4833	3.4878
1550	3.4922	3.4967	3.5011	3.5055	3.5100	3.5144	3.5189	3.5233	3.5278	3.5322
1560	3.5367	3.5412	3.5456	3.5501	3.5546	3.5590	3.5635	3.5680	3.5724	3.5769
1570	3.5814	3.5859	3.5904	3.5949	3.5994	3.6039	3.6084	3.6129	3.6174	3.6219
1580	3.6264	3.6309	3.6354	3.6399	3.6444	3.6489	3.6535	3.6580	3.6625	3.6670
1590	3.6716	3.6761	3.6806	3.6852	3.6897	3.6942	3.6988	3.7033	3.7079	3.7124
1600	3.7170	3.7215	3.7261	3.7307	3.7352	3.7398	3.7444	3.7489	3.7535	3.7581
1610	3.7626	3.7672	3.7718	3.7764	3.7810	3.7856	3.7902	3.7947	3.7993	3.8039
1620	3.8085	3.8131	3.8177	3.8223	3.8270	3.8316	3.8362	3.8408	3.8454	3.8500
1630	3.8547	3.8593	3.8639	3.8685	3.8732	3.8778	3.8824	3.8871	3.8917	3.8964
1640	3.9010	3.9057	3.9103	3.9150	3.9196	3.9243	3.9289	3.9336	3.9383	3.9429
1650	3.9476	3.9523	3.9570	3.9616	3.9663	3.9710	3.9757	3.9804	3.9850	3.9897
1660	3.9944	3.9991	4.0038	4.0085	4.0132	4.0179	4.0226	4.0273	4.0320	4.0368
1670	4.0415	4.0462	4.0509	4.0556	4.0603	4.0651	4.0698	4.0745	4.0793	4.0840
1680	4.0887	4.0935	4.0982	4.1030	4.1077	4.1125	4.1172	4.1220	4.1267	4.1315
1690	4.1362	4.1410	4.1458	4.1505	4.1553	4.1601	4.1648	4.1696	4.1744	4.1792
1700	4.1839	4.1887	4.1935	4.1983	4.2031	4.2079	4.2127	4.2175	4.2223	4.2271
1710	4.2319	4.2367	4.2415	4.2463	4.2511	4.2559	4.2608	4.2656	4.2704	4.2752
1720	4.2801	4.2849	4.2897	4.2945	4.2994	4.3042	4.3091	4.3139	4.3187	4.3236
1730	4.3284	4.3333	4.3381	4.3430	4.3479	4.3527	4.3576	4.3624	4.3673	4.3722
1740	4.3770	4.3819	4.3868	4.3917	4.3966	4.4014	4.4063	4.4112	4.4161	4.4210
1750	4.4259	4.4308	4.4357	4.4406	4.4455	4.4504	4.4553	4.4602	4.4651	4.4700
1760	4.4749	4.4798	4.4847	4.4897	4.4946	4.4995	4.5044	4.5094	4.5143	4.5192
1770	4.5242	4.5291	4.5340	4.5390	4.5439	4.5489	4.5538	4.5588	4.5637	4.5687
1780	4.5736	4.5786	4.5836	4.5885	4.5935	4.5985	4.6034	4.6084	4.6134	4.6184
1790	4.6233	4.6283	4.6333	4.6383	4.6433	4.6483	4.6532	4.6582	4.6632	4.6682
1800	4.6732	4.6782	4.6832	4.6882	4.6933	4.6983	4.7033	4.7083	4.7133	4.7183
1810	4.7233	4.7284	4.7334	4.7384	4.7435	4.7485	4.7535	4.7586	4.7636	4.7686
1820	4.7737	4.7787	4.7838	4.7888	4.7939	4.7989	4.8040	4.8090	4.8141	4.8191
1830	4.8242	4.8293	4.8343	4.8394	4.8445	4.8496	4.8546	4.8597	4.8648	4.8699
1840	4.8750	4.8800	4.8851	4.8902	4.8953	4.9004	4.9055	4.9106	4.9157	4.9208
1850	4.9259	4.9310	4.9361	4.9412	4.9464	4.9515	4.9566	4.9617	4.9668	4.9719
1860	4.9771	4.9822	4.9873	4.9925	4.9976	5.0027	5.0079	5.0130	5.0181	5.0233
1870	5.0284	5.0336	5.0387	5.0439	5.0490	5.0542	5.0594	5.0645	5.0697	5.0748
1880	5.0800	5.0852	5.0904	5.0955	5.1007	5.1059	5.1111	5.1162	5.1214	5.1266
1890	5.1318	5.1370	5.1422	5.1474	5.1526	5.1578	5.1630	5.1682	5.1734	5.1786
1900	5.1838	5.1890	5.1942	5.1994	5.2046	5.2098	5.2151	5.2203	5.2255	5.2307
1910	5.2360	5.2412	5.2464	5.2516	5.2569	5.2621	5.2674	5.2726	5.2778	5.2831
1920	5.2883	5.2936	5.2988	5.3041	5.3093	5.3146	5.3199	5.3251	5.3304	5.3356
1930	5.3409	5.3462	5.3515	5.3567	5.3620	5.3673	5.3726	5.3778	5.3831	5.3884
1940	5.3937	5.3990	5.4043	5.4096	5.4149	5.4202	5.4255	5.4308	5.4361	5.4414
1950	5.4467	5.4520	5.4573	5.4626	5.4679	5.4732	5.4786	5.4839	5.4892	5.4945

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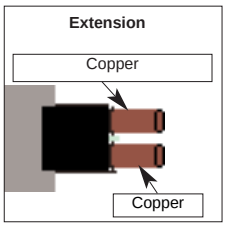
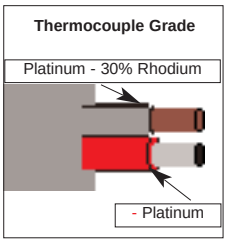
Technical Information Data Bulletin

Type B Thermocouple
Platinum-Rhodium

TEMPERATURE & PROCESS INSTRUMENTS INC



Temperature vs Millivolt Table
Reference Junction 32°F



Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 3092°F
-0 to 1700°C
Extension Grade: 32 to 212°F
0 to 100°C

Maximum Thermocouple Grade
Temperature Range
32 to 3308°F
0 to 1820°C
Accuracy: Standard: 0.5% over 800°C
Special: NA

Recommended Applications:
Oxidizing or Inert Environments. Do Not Insert in Metal Tubes, Beware of Contamination, High Temperature Applications. Uses Copper Wire for Extension Wire.

Temp	0	1	2	3	4	5	6	7	8	9
1960	5.4999	5.5052	5.5105	5.5159	5.5212	5.5265	5.5319	5.5372	5.5425	5.5479
1970	5.5532	5.5586	5.5639	5.5693	5.5746	5.5800	5.5854	5.5907	5.5961	5.6014
1980	5.6068	5.6122	5.6175	5.6229	5.6283	5.6337	5.6390	5.6444	5.6498	5.6552
1990	5.6606	5.6660	5.6713	5.6767	5.6821	5.6875	5.6929	5.6983	5.7037	5.7091
2000	5.7145	5.7199	5.7253	5.7307	5.7362	5.7416	5.7470	5.7524	5.7578	5.7632
2010	5.7687	5.7741	5.7795	5.7850	5.7904	5.7958	5.8013	5.8067	5.8121	5.8176
2020	5.8230	5.8285	5.8339	5.8393	5.8448	5.8502	5.8557	5.8612	5.8666	5.8721
2030	5.8775	5.8830	5.8885	5.8939	5.8994	5.9049	5.9103	5.9158	5.9213	5.9268
2040	5.9323	5.9377	5.9432	5.9487	5.9542	5.9597	5.9652	5.9707	5.9762	5.9817
2050	5.9872	5.9927	5.9982	6.0037	6.0092	6.0147	6.0202	6.0257	6.0312	6.0367
2060	6.0423	6.0478	6.0533	6.0588	6.0643	6.0699	6.0754	6.0809	6.0865	6.0920
2070	6.0975	6.1031	6.1086	6.1142	6.1197	6.1252	6.1308	6.1363	6.1419	6.1474
2080	6.1530	6.1586	6.1641	6.1697	6.1752	6.1808	6.1864	6.1919	6.1975	6.2031
2090	6.2086	6.2142	6.2198	6.2254	6.2309	6.2365	6.2421	6.2477	6.2533	6.2589
2100	6.2645	6.2701	6.2757	6.2813	6.2868	6.2924	6.2981	6.3037	6.3093	6.3149
2110	6.3205	6.3261	6.3317	6.3373	6.3429	6.3485	6.3542	6.3598	6.3654	6.3710
2120	6.3767	6.3823	6.3879	6.3936	6.3992	6.4048	6.4105	6.4161	6.4217	6.4274
2130	6.4330	6.4387	6.4443	6.4500	6.4556	6.4613	6.4669	6.4726	6.4783	6.4839
2140	6.4896	6.4952	6.5009	6.5066	6.5122	6.5179	6.5236	6.5293	6.5349	6.5406
2150	6.5463	6.5520	6.5577	6.5634	6.5690	6.5747	6.5804	6.5861	6.5918	6.5975
2160	6.6032	6.6089	6.6146	6.6203	6.6260	6.6317	6.6374	6.6431	6.6488	6.6546
2170	6.6603	6.6660	6.6717	6.6774	6.6831	6.6889	6.6946	6.7003	6.7061	6.7118
2180	6.7175	6.7232	6.7290	6.7347	6.7405	6.7462	6.7519	6.7577	6.7634	6.7692
2190	6.7749	6.7807	6.7864	6.7922	6.7979	6.8037	6.8095	6.8152	6.8210	6.8267
2200	6.8325	6.8383	6.8441	6.8498	6.8556	6.8614	6.8671	6.8729	6.8787	6.8845
2210	6.8903	6.8961	6.9018	6.9076	6.9134	6.9192	6.9250	6.9308	6.9366	6.9424
2220	6.9482	6.9540	6.9598	6.9656	6.9714	6.9772	6.9830	6.9888	6.9946	7.0005
2230	7.0063	7.0121	7.0179	7.0237	7.0296	7.0354	7.0412	7.0470	7.0529	7.0587
2240	7.0645	7.0704	7.0762	7.0820	7.0879	7.0937	7.0996	7.1054	7.1113	7.1171
2250	7.1229	7.1288	7.1347	7.1405	7.1464	7.1522	7.1581	7.1639	7.1698	7.1757
2260	7.1815	7.1874	7.1933	7.1991	7.2050	7.2109	7.2168	7.2226	7.2285	7.2344
2270	7.2403	7.2462	7.2520	7.2579	7.2638	7.2697	7.2756	7.2815	7.2874	7.2933
2280	7.2992	7.3051	7.3110	7.3169	7.3228	7.3287	7.3346	7.3405	7.3464	7.3523
2290	7.3582	7.3641	7.3701	7.3760	7.3819	7.3878	7.3937	7.3997	7.4056	7.4115
2300	7.4174	7.4234	7.4293	7.4352	7.4412	7.4471	7.4530	7.4590	7.4649	7.4709
2310	7.4768	7.4828	7.4887	7.4946	7.5006	7.5065	7.5125	7.5185	7.5244	7.5304
2320	7.5363	7.5423	7.5482	7.5542	7.5602	7.5661	7.5721	7.5781	7.5841	7.5900
2330	7.5960	7.6020	7.6080	7.6139	7.6199	7.6259	7.6319	7.6379	7.6438	7.6498
2340	7.6558	7.6618	7.6678	7.6738	7.6798	7.6858	7.6918	7.6978	7.7038	7.7098
2350	7.7158	7.7218	7.7278	7.7338	7.7398	7.7458	7.7518	7.7579	7.7639	7.7699
2360	7.7759	7.7819	7.7880	7.7940	7.8000	7.8060	7.8121	7.8181	7.8241	7.8301
2370	7.8362	7.8422	7.8482	7.8543	7.8603	7.8664	7.8724	7.8784	7.8845	7.8905
2380	7.8966	7.9026	7.9087	7.9147	7.9208	7.9268	7.9329	7.9390	7.9450	7.9511
2390	7.9571	7.9632	7.9693	7.9753	7.9814	7.9875	7.9935	7.9996	8.0057	8.0117
2400	8.0178	8.0239	8.0300	8.0361	8.0421	8.0482	8.0543	8.0604	8.0665	8.0726
2410	8.0786	8.0847	8.0908	8.0969	8.1030	8.1091	8.1152	8.1213	8.1274	8.1335
2420	8.1396	8.1457	8.1518	8.1579	8.1640	8.1701	8.1763	8.1824	8.1885	8.1946
2430	8.2007	8.2068	8.2129	8.2191	8.2252	8.2313	8.2374	8.2436	8.2497	8.2558
2440	8.2619	8.2681	8.2742	8.2803	8.2865	8.2926	8.2987	8.3049	8.3110	8.3172

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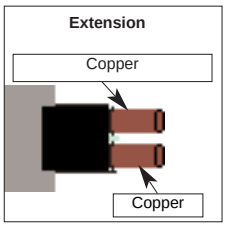
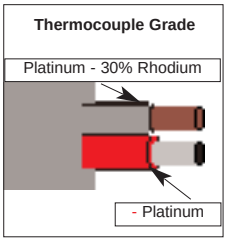
Technical Information Data Bulletin

Type B Thermocouple
Platinum-Rhodium

TEMPERATURE & PROCESS INSTRUMENTS INC



Temperature vs Millivolt Table
Reference Junction 32°F



Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 3092°F
-0 to 1700°C
Extension Grade: 32 to 212°F
0 to 100°C

Maximum Thermocouple Grade
Temperature Range
32 to 3308°F
0 to 1820°C
Accuracy: Standard: 0.5% over 800°C
Special: NA

Recommended Applications:
Oxidizing or Inert Environments. Do Not Insert in Metal Tubes, Beware of Contamination, High Temperature Applications. Uses Copper Wire for Extension Wire.

Temp	0	1	2	3	4	5	6	7	8	9
2450	8.3233	8.3294	8.3356	8.3417	8.3479	8.3540	8.3602	8.3663	8.3725	8.3786
2460	8.3848	8.3909	8.3971	8.4033	8.4094	8.4156	8.4217	8.4279	8.4341	8.4402
2470	8.4464	8.4526	8.4588	8.4649	8.4711	8.4773	8.4834	8.4896	8.4958	8.5020
2480	8.5082	8.5143	8.5205	8.5267	8.5329	8.5391	8.5453	8.5514	8.5576	8.5638
2490	8.5700	8.5762	8.5824	8.5886	8.5948	8.6010	8.6072	8.6134	8.6196	8.6258
2500	8.6320	8.6382	8.6444	8.6506	8.6568	8.6630	8.6693	8.6755	8.6817	8.6879
2510	8.6941	8.7003	8.7066	8.7128	8.7190	8.7252	8.7314	8.7377	8.7439	8.7501
2520	8.7563	8.7626	8.7688	8.7750	8.7813	8.7875	8.7937	8.8000	8.8062	8.8124
2530	8.8187	8.8249	8.8312	8.8374	8.8436	8.8499	8.8561	8.8624	8.8686	8.8749
2540	8.8811	8.8874	8.8936	8.8999	8.9061	8.9124	8.9187	8.9249	8.9312	8.9374
2550	8.9437	8.9500	8.9562	8.9625	8.9688	8.9750	8.9813	8.9876	8.9938	9.0001
2560	9.0064	9.0126	9.0189	9.0252	9.0315	9.0377	9.0440	9.0503	9.0566	9.0629
2570	9.0691	9.0754	9.0817	9.0880	9.0943	9.1006	9.1069	9.1132	9.1194	9.1257
2580	9.1320	9.1383	9.1446	9.1509	9.1572	9.1635	9.1698	9.1761	9.1824	9.1887
2590	9.1950	9.2013	9.2076	9.2139	9.2202	9.2265	9.2329	9.2392	9.2455	9.2518
2600	9.2581	9.2644	9.2707	9.2770	9.2834	9.2897	9.2960	9.3023	9.3086	9.3150
2610	9.3213	9.3276	9.3339	9.3403	9.3466	9.3529	9.3592	9.3656	9.3719	9.3782
2620	9.3846	9.3909	9.3972	9.4036	9.4099	9.4162	9.4226	9.4289	9.4352	9.4416
2630	9.4479	9.4543	9.4606	9.4670	9.4733	9.4797	9.4860	9.4923	9.4987	9.5050
2640	9.5114	9.5177	9.5241	9.5304	9.5368	9.5432	9.5495	9.5559	9.5622	9.5686
2650	9.5749	9.5813	9.5877	9.5940	9.6004	9.6067	9.6131	9.6195	9.6258	9.6322
2660	9.6386	9.6449	9.6513	9.6577	9.6641	9.6704	9.6768	9.6832	9.6895	9.6959
2670	9.7023	9.7087	9.7150	9.7214	9.7278	9.7342	9.7406	9.7469	9.7533	9.7597
2680	9.7661	9.7725	9.7789	9.7853	9.7916	9.7980	9.8044	9.8108	9.8172	9.8236
2690	9.8300	9.8364	9.8428	9.8492	9.8555	9.8619	9.8683	9.8747	9.8811	9.8875
2700	9.8939	9.9003	9.9067	9.9131	9.9195	9.9259	9.9323	9.9387	9.9451	9.9516
2710	9.9580	9.9644	9.9708	9.9772	9.9836	9.9900	9.9964	10.0028	10.0092	10.0156
2720	10.0221	10.0285	10.0349	10.0413	10.0477	10.0541	10.0605	10.0670	10.0734	10.0798
2730	10.0862	10.0926	10.0991	10.1055	10.1119	10.1183	10.1248	10.1312	10.1376	10.1440
2740	10.1505	10.1569	10.1633	10.1697	10.1762	10.1826	10.1890	10.1955	10.2019	10.2083
2750	10.2148	10.2212	10.2276	10.2341	10.2405	10.2469	10.2534	10.2598	10.2662	10.2727
2760	10.2791	10.2855	10.2920	10.2984	10.3049	10.3113	10.3178	10.3242	10.3306	10.3371
2770	10.3435	10.3500	10.3564	10.3629	10.3693	10.3758	10.3822	10.3887	10.3951	10.4015
2780	10.4080	10.4144	10.4209	10.4274	10.4338	10.4403	10.4467	10.4532	10.4596	10.4661
2790	10.4725	10.4790	10.4854	10.4919	10.4983	10.5048	10.5113	10.5177	10.5242	10.5306
2800	10.5371	10.5436	10.5500	10.5565	10.5629	10.5694	10.5759	10.5823	10.5888	10.5953
2810	10.6017	10.6082	10.6147	10.6211	10.6276	10.6341	10.6405	10.6470	10.6535	10.6599
2820	10.6664	10.6729	10.6793	10.6858	10.6923	10.6987	10.7052	10.7117	10.7182	10.7246
2830	10.7311	10.7376	10.7441	10.7505	10.7570	10.7635	10.7700	10.7764	10.7829	10.7894
2840	10.7959	10.8023	10.8088	10.8153	10.8218	10.8282	10.8347	10.8412	10.8477	10.8542
2850	10.8606	10.8671	10.8736	10.8801	10.8866	10.8931	10.8995	10.9060	10.9125	10.9190
2860	10.9255	10.9320	10.9384	10.9449	10.9514	10.9579	10.9644	10.9709	10.9774	10.9838
2870	10.9903	10.9968	11.0033	11.0098	11.0163	11.0228	11.0293	11.0357	11.0422	11.0487
2880	11.0552	11.0617	11.0682	11.0747	11.0812	11.0877	11.0942	11.1006	11.1071	11.1136
2890	11.1201	11.1266	11.1331	11.1396	11.1461	11.1526	11.1591	11.1656	11.1721	11.1786
2900	11.1851	11.1915	11.1980	11.2045	11.2110	11.2175	11.2240	11.2305	11.2370	11.2435
2910	11.2500	11.2565	11.2630	11.2695	11.2760	11.2825	11.2890	11.2955	11.3020	11.3085
2920	11.3150	11.3215	11.3280	11.3345	11.3410	11.3475	11.3540	11.3605	11.3670	11.3735

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