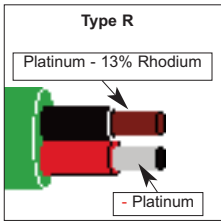




Technical Information Data Bulletin

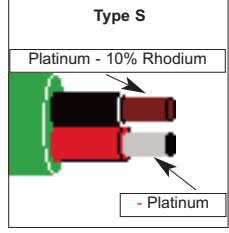
Type R/S Thermocouple Platinum-Rhodium

TEMPERATURE & PROCESS INSTRUMENTS - INC



Temperature vs Millivolt Table Reference Junction 32°F

Temperature Range	Maximum Thermocouple Grade Temperature Range
Maximum Useful Temperature Range:	Temperature Range
Thermocouple Grade: 32 to 2642°F	-58 to 3214°F
-0 to 1400°C	-50 to 1768°C
Extension Grade: 32 to 392°F	Accuracy: Standard: 1.7°C or 0.5%
0 to 200°C	Special: 1.0°C or 0.4%



Recommended Applications:
Oxidizing or Inert Environments Beware of Contamination. High Temperature Applications

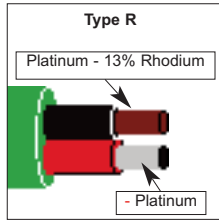
Temp	0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-50	-0.2097	-0.2118	-0.2139	-0.2161	-0.2182	-0.2203	-0.2223	-0.2244	-0.2265	-0.2075
-40	-0.1877	-0.1899	-0.1922	-0.1944	-0.1966	-0.1988	-0.2010	-0.2032	-0.2054	-0.1854
-30	-0.1647	-0.1670	-0.1694	-0.1717	-0.1740	-0.1763	-0.1786	-0.1809	-0.1832	-0.1623
-20	-0.1406	-0.1431	-0.1455	-0.1479	-0.1503	-0.1528	-0.1552	-0.1576	-0.1599	-0.1381
-10	-0.1155	-0.1181	-0.1206	-0.1232	-0.1257	-0.1282	-0.1307	-0.1332	-0.1357	-0.1130
0	-0.0895	-0.0922	-0.0948	-0.0974	-0.1000	-0.1026	-0.1052	-0.1078	-0.1104	-0.1130
10	-0.0625	-0.0598	-0.0570	-0.0543	-0.0515	-0.0487	-0.0459	-0.0431	-0.0403	-0.0375
20	-0.0346	-0.0318	-0.0290	-0.0261	-0.0232	-0.0204	-0.0175	-0.0146	-0.0117	-0.0088
30	-0.0059	-0.0029	0.0000	0.0029	0.0059	0.0089	0.0118	0.0148	0.0178	0.0208
40	0.0238	0.0268	0.0298	0.0328	0.0359	0.0389	0.0420	0.0450	0.0481	0.0512
50	0.0543	0.0574	0.0605	0.0636	0.0667	0.0698	0.0730	0.0761	0.0792	0.0824
60	0.0856	0.0887	0.0919	0.0951	0.0983	0.1015	0.1047	0.1079	0.1112	0.1144
70	0.1177	0.1209	0.1242	0.1274	0.1307	0.1340	0.1373	0.1406	0.1439	0.1472
80	0.1505	0.1539	0.1572	0.1605	0.1639	0.1672	0.1706	0.1740	0.1774	0.1807
90	0.1841	0.1875	0.1909	0.1944	0.1978	0.2012	0.2047	0.2081	0.2116	0.2150
100	0.2185	0.2220	0.2254	0.2289	0.2324	0.2359	0.2394	0.2429	0.2465	0.2500
110	0.2535	0.2571	0.2606	0.2642	0.2677	0.2713	0.2749	0.2785	0.2821	0.2857
120	0.2893	0.2929	0.2965	0.3001	0.3038	0.3074	0.3110	0.3147	0.3183	0.3220
130	0.3257	0.3294	0.3330	0.3367	0.3404	0.3441	0.3478	0.3516	0.3553	0.3590
140	0.3628	0.3665	0.3702	0.3740	0.3778	0.3815	0.3853	0.3891	0.3929	0.3967
150	0.4005	0.4043	0.4081	0.4119	0.4157	0.4195	0.4234	0.4272	0.4311	0.4349
160	0.4388	0.4426	0.4465	0.4504	0.4543	0.4582	0.4621	0.4660	0.4699	0.4738
170	0.4777	0.4816	0.4856	0.4895	0.4934	0.4974	0.5013	0.5053	0.5093	0.5132
180	0.5172	0.5212	0.5252	0.5292	0.5332	0.5372	0.5412	0.5452	0.5492	0.5533
190	0.5573	0.5613	0.5654	0.5694	0.5735	0.5775	0.5816	0.5857	0.5898	0.5938
200	0.5979	0.6020	0.6061	0.6102	0.6143	0.6184	0.6226	0.6267	0.6308	0.6350
210	0.6391	0.6432	0.6474	0.6516	0.6557	0.6599	0.6641	0.6682	0.6724	0.6766
220	0.6808	0.6850	0.6892	0.6934	0.6976	0.7019	0.7061	0.7103	0.7145	0.7188
230	0.7230	0.7273	0.7315	0.7358	0.7401	0.7443	0.7486	0.7529	0.7572	0.7615
240	0.7657	0.7700	0.7743	0.7787	0.7830	0.7873	0.7916	0.7959	0.8003	0.8046
250	0.8090	0.8133	0.8177	0.8220	0.8264	0.8307	0.8351	0.8395	0.8439	0.8482
260	0.8526	0.8570	0.8614	0.8658	0.8702	0.8747	0.8791	0.8835	0.8879	0.8923
270	0.8968	0.9012	0.9057	0.9101	0.9146	0.9190	0.9235	0.9280	0.9324	0.9369
280	0.9414	0.9459	0.9504	0.9548	0.9593	0.9638	0.9683	0.9729	0.9774	0.9819
290	0.9864	0.9909	0.9955	1.0000	1.0046	1.0091	1.0136	1.0182	1.0228	1.0273
300	1.0319	1.0365	1.0410	1.0456	1.0502	1.0548	1.0594	1.0640	1.0686	1.0732
310	1.0778	1.0824	1.0870	1.0916	1.0962	1.1009	1.1055	1.1101	1.1148	1.1194
320	1.1241	1.1287	1.1334	1.1380	1.1427	1.1474	1.1520	1.1567	1.1614	1.1661
330	1.1708	1.1754	1.1801	1.1848	1.1895	1.1943	1.1990	1.2037	1.2084	1.2131
340	1.2178	1.2226	1.2273	1.2320	1.2368	1.2415	1.2463	1.2510	1.2558	1.2605
350	1.2653	1.2701	1.2748	1.2796	1.2844	1.2892	1.2940	1.2987	1.3035	1.3083
360	1.3131	1.3179	1.3227	1.3276	1.3324	1.3372	1.3420	1.3468	1.3517	1.3565
370	1.3613	1.3662	1.3710	1.3759	1.3807	1.3856	1.3904	1.3953	1.4001	1.4050
380	1.4099	1.4148	1.4196	1.4245	1.4294	1.4343	1.4392	1.4441	1.4490	1.4539
390	1.4588	1.4637	1.4686	1.4735	1.4784	1.4833	1.4883	1.4932	1.4981	1.5031



Technical Information Data Bulletin

Type R/S Thermocouple Platinum-Rhodium

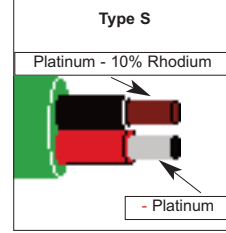
TEMPERATURE & PROCESS INSTRUMENTS - CON-



Temperature vs Millivolt Table Reference Junction 32°F

Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 2642°F
-0 to 1400°C
Extension Grade: 32 to 392°F
0 to 200°C

Maximum Thermocouple Grade
Temperature Range
-58 to 3214°F
-50 to 1768°C
Accuracy: Standard: 1.7°C or 0.5%
Special: 1.0°C or 0.4%



Recommended Applications:
Oxidizing or Inert Environments Beware of Contamination. High Temperature Applications

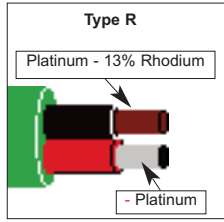
Temp	0	1	2	3	4	5	6	7	8	9
400	1.5080	1.5129	1.5179	1.5228	1.5278	1.5327	1.5377	1.5427	1.5476	1.5526
410	1.5576	1.5625	1.5675	1.5725	1.5775	1.5825	1.5874	1.5924	1.5974	1.6024
420	1.6074	1.6124	1.6174	1.6225	1.6275	1.6325	1.6375	1.6425	1.6476	1.6526
430	1.6576	1.6627	1.6677	1.6727	1.6778	1.6828	1.6879	1.6929	1.6980	1.7031
440	1.7081	1.7132	1.7183	1.7233	1.7284	1.7335	1.7386	1.7437	1.7487	1.7538
450	1.7589	1.7640	1.7691	1.7742	1.7793	1.7844	1.7896	1.7947	1.7998	1.8049
460	1.8100	1.8152	1.8203	1.8254	1.8305	1.8357	1.8408	1.8460	1.8511	1.8563
470	1.8614	1.8666	1.8717	1.8769	1.8820	1.8872	1.8924	1.8975	1.9027	1.9079
480	1.9131	1.9183	1.9234	1.9286	1.9338	1.9390	1.9442	1.9494	1.9546	1.9598
490	1.9650	1.9702	1.9754	1.9806	1.9859	1.9911	1.9963	2.0015	2.0068	2.0120
500	2.0172	2.0225	2.0277	2.0329	2.0382	2.0434	2.0487	2.0539	2.0592	2.0644
510	2.0697	2.0749	2.0802	2.0855	2.0907	2.0960	2.1013	2.1066	2.1118	2.1171
520	2.1224	2.1277	2.1330	2.1383	2.1436	2.1489	2.1542	2.1595	2.1648	2.1701
530	2.1754	2.1807	2.1860	2.1913	2.1967	2.2020	2.2073	2.2126	2.2180	2.2233
540	2.2286	2.2340	2.2393	2.2446	2.2500	2.2553	2.2607	2.2660	2.2714	2.2767
550	2.2821	2.2875	2.2928	2.2982	2.3035	2.3089	2.3143	2.3197	2.3250	2.3304
560	2.3358	2.3412	2.3466	2.3520	2.3573	2.3627	2.3681	2.3735	2.3789	2.3843
570	2.3897	2.3951	2.4006	2.4060	2.4114	2.4168	2.4222	2.4276	2.4331	2.4385
580	2.4439	2.4493	2.4548	2.4602	2.4656	2.4711	2.4765	2.4820	2.4874	2.4929
590	2.4983	2.5038	2.5092	2.5147	2.5201	2.5256	2.5310	2.5365	2.5420	2.5474
600	2.5529	2.5584	2.5639	2.5693	2.5748	2.5803	2.5858	2.5913	2.5968	2.6023
610	2.6078	2.6132	2.6187	2.6242	2.6297	2.6352	2.6408	2.6463	2.6518	2.6573
620	2.6628	2.6683	2.6738	2.6793	2.6849	2.6904	2.6959	2.7014	2.7070	2.7125
630	2.7180	2.7236	2.7291	2.7347	2.7402	2.7457	2.7513	2.7568	2.7624	2.7679
640	2.7735	2.7791	2.7846	2.7902	2.7957	2.8013	2.8069	2.8124	2.8180	2.8236
650	2.8292	2.8347	2.8403	2.8459	2.8515	2.8571	2.8627	2.8682	2.8738	2.8794
660	2.8850	2.8906	2.8962	2.9018	2.9074	2.9130	2.9186	2.9242	2.9298	2.9355
670	2.9411	2.9467	2.9523	2.9579	2.9635	2.9692	2.9748	2.9804	2.9860	2.9917
680	2.9973	3.0029	3.0086	3.0142	3.0199	3.0255	3.0312	3.0368	3.0424	3.0481
690	3.0537	3.0594	3.0651	3.0707	3.0764	3.0820	3.0877	3.0934	3.0990	3.1047
700	3.1104	3.1160	3.1217	3.1274	3.1331	3.1387	3.1444	3.1501	3.1558	3.1615
710	3.1672	3.1729	3.1786	3.1842	3.1899	3.1956	3.2013	3.2070	3.2127	3.2184
720	3.2242	3.2299	3.2356	3.2413	3.2470	3.2527	3.2584	3.2641	3.2699	3.2756
730	3.2813	3.2870	3.2928	3.2985	3.3042	3.3100	3.3157	3.3214	3.3272	3.3329
740	3.3387	3.3444	3.3501	3.3559	3.3616	3.3674	3.3731	3.3789	3.3847	3.3904
750	3.3962	3.4019	3.4077	3.4135	3.4192	3.4250	3.4308	3.4365	3.4423	3.4481
760	3.4539	3.4596	3.4654	3.4712	3.4770	3.4828	3.4885	3.4943	3.5001	3.5059
770	3.5117	3.5175	3.5233	3.5291	3.5349	3.5407	3.5465	3.5523	3.5581	3.5639
780	3.5697	3.5755	3.5814	3.5872	3.5930	3.5988	3.6046	3.6104	3.6163	3.6221
790	3.6279	3.6337	3.6396	3.6454	3.6512	3.6571	3.6629	3.6687	3.6746	3.6804
800	3.6863	3.6921	3.6980	3.7038	3.7097	3.7155	3.7214	3.7272	3.7331	3.7389
810	3.7448	3.7506	3.7565	3.7624	3.7682	3.7741	3.7800	3.7858	3.7917	3.7976
820	3.8035	3.8093	3.8152	3.8211	3.8270	3.8329	3.8387	3.8446	3.8505	3.8564
830	3.8623	3.8682	3.8741	3.8800	3.8859	3.8918	3.8977	3.9036	3.9095	3.9154
840	3.9213	3.9272	3.9331	3.9390	3.9449	3.9508	3.9568	3.9627	3.9686	3.9745
850	3.9804	3.9864	3.9923	3.9982	4.0041	4.0101	4.0160	4.0219	4.0279	4.0338
860	4.0398	4.0457	4.0516	4.0576	4.0635	4.0695	4.0754	4.0814	4.0873	4.0933
870	4.0992	4.1052	4.1111	4.1171	4.1230	4.1290	4.1350	4.1409	4.1469	4.1529



Technical Information Data Bulletin

Type R/S Thermocouple Platinum-Rhodium

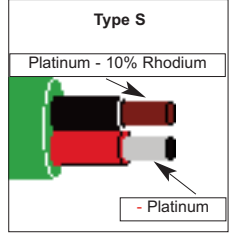
TEMPERATURE & PROCESS INSTRUMENTS - CON-



Temperature vs Millivolt Table Reference Junction 32°F

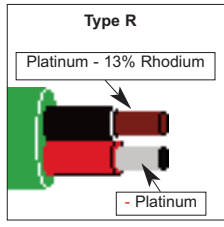
Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 2642°F
 -0 to 1400°C
Extension Grade: 32 to 392°F
 0 to 200°C

Maximum Thermocouple Grade Temperature Range
 -58 to 3214°F
 -50 to 1768°C
Accuracy: Standard: 1.7°C or 0.5%
 Special: 1.0°C or 0.4%



Recommended Applications:
 Oxidizing or Inert Environments Beware of Contamination. High Temperature Applications

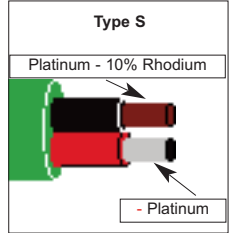
Temp	0	1	2	3	4	5	6	7	8	9
880	4.1588	4.1648	4.1708	4.1767	4.1827	4.1887	4.1947	4.2006	4.2066	4.2126
890	4.2186	4.2246	4.2306	4.2366	4.2425	4.2485	4.2545	4.2605	4.2665	4.2725
900	4.2785	4.2845	4.2905	4.2965	4.3025	4.3085	4.3145	4.3205	4.3266	4.3326
910	4.3386	4.3446	4.3506	4.3566	4.3627	4.3687	4.3747	4.3807	4.3867	4.3928
920	4.3988	4.4048	4.4109	4.4169	4.4229	4.4290	4.4350	4.4410	4.4471	4.4531
930	4.4592	4.4652	4.4713	4.4773	4.4834	4.4894	4.4955	4.5015	4.5076	4.5136
940	4.5197	4.5258	4.5318	4.5379	4.5439	4.5500	4.5561	4.5621	4.5682	4.5743
950	4.5804	4.5864	4.5925	4.5986	4.6047	4.6107	4.6168	4.6229	4.6290	4.6351
960	4.6412	4.6473	4.6534	4.6594	4.6655	4.6716	4.6777	4.6838	4.6899	4.6960
970	4.7021	4.7082	4.7143	4.7204	4.7266	4.7327	4.7388	4.7449	4.7510	4.7571
980	4.7632	4.7694	4.7755	4.7816	4.7877	4.7938	4.8000	4.8061	4.8122	4.8184
990	4.8245	4.8306	4.8368	4.8429	4.8490	4.8552	4.8613	4.8675	4.8736	4.8797
1000	4.8859	4.8920	4.8982	4.9043	4.9105	4.9166	4.9228	4.9290	4.9351	4.9413
1010	4.9474	4.9536	4.9598	4.9659	4.9721	4.9783	4.9844	4.9906	4.9968	5.0029
1020	5.0091	5.0153	5.0215	5.0277	5.0338	5.0400	5.0462	5.0524	5.0586	5.0648
1030	5.0710	5.0771	5.0833	5.0895	5.0957	5.1019	5.1081	5.1143	5.1205	5.1267
1040	5.1329	5.1391	5.1453	5.1516	5.1578	5.1640	5.1702	5.1764	5.1826	5.1888
1050	5.1951	5.2013	5.2075	5.2137	5.2199	5.2262	5.2324	5.2386	5.2449	5.2511
1060	5.2573	5.2636	5.2698	5.2760	5.2823	5.2885	5.2948	5.3010	5.3072	5.3135
1070	5.3197	5.3260	5.3322	5.3385	5.3447	5.3510	5.3573	5.3635	5.3698	5.3760
1080	5.3823	5.3886	5.3948	5.4011	5.4074	5.4136	5.4199	5.4262	5.4324	5.4387
1090	5.4450	5.4513	5.4576	5.4638	5.4701	5.4764	5.4827	5.4890	5.4953	5.5016
1100	5.5078	5.5141	5.5204	5.5267	5.5330	5.5393	5.5456	5.5519	5.5582	5.5645
1110	5.5708	5.5771	5.5835	5.5898	5.5961	5.6024	5.6087	5.6150	5.6213	5.6277
1120	5.6340	5.6403	5.6466	5.6529	5.6593	5.6656	5.6719	5.6783	5.6846	5.6909
1130	5.6973	5.7036	5.7099	5.7163	5.7226	5.7290	5.7353	5.7416	5.7480	5.7543
1140	5.7607	5.7670	5.7734	5.7797	5.7861	5.7925	5.7988	5.8052	5.8115	5.8179
1150	5.8243	5.8306	5.8370	5.8434	5.8497	5.8561	5.8625	5.8688	5.8752	5.8816
1160	5.8880	5.8944	5.9007	5.9071	5.9135	5.9199	5.9263	5.9327	5.9391	5.9454
1170	5.9518	5.9582	5.9646	5.9710	5.9774	5.9838	5.9902	5.9966	6.0030	6.0094
1180	6.0158	6.0223	6.0287	6.0351	6.0415	6.0479	6.0543	6.0607	6.0672	6.0736
1190	6.0800	6.0864	6.0928	6.0993	6.1057	6.1121	6.1186	6.1250	6.1314	6.1379
1200	6.1443	6.1507	6.1572	6.1636	6.1701	6.1765	6.1829	6.1894	6.1958	6.2023
1210	6.2087	6.2152	6.2216	6.2281	6.2346	6.2410	6.2475	6.2539	6.2604	6.2669
1220	6.2733	6.2798	6.2863	6.2927	6.2992	6.3057	6.3122	6.3186	6.3251	6.3316
1230	6.3381	6.3446	6.3510	6.3575	6.3640	6.3705	6.3770	6.3835	6.3900	6.3965
1240	6.4030	6.4095	6.4159	6.4224	6.4290	6.4355	6.4420	6.4485	6.4550	6.4615
1250	6.4680	6.4745	6.4810	6.4875	6.4940	6.5006	6.5071	6.5136	6.5201	6.5266
1260	6.5332	6.5397	6.5462	6.5527	6.5593	6.5658	6.5723	6.5789	6.5854	6.5920
1270	6.5985	6.6050	6.6116	6.6181	6.6247	6.6312	6.6378	6.6443	6.6509	6.6574
1280	6.6640	6.6705	6.6771	6.6836	6.6902	6.6968	6.7033	6.7099	6.7165	6.7230
1290	6.7296	6.7362	6.7427	6.7493	6.7559	6.7625	6.7690	6.7756	6.7822	6.7888
1300	6.7954	6.8019	6.8085	6.8151	6.8217	6.8283	6.8349	6.8415	6.8481	6.8547
1310	6.8613	6.8679	6.8745	6.8811	6.8877	6.8943	6.9009	6.9075	6.9141	6.9207
1320	6.9273	6.9340	6.9406	6.9472	6.9538	6.9604	6.9671	6.9737	6.9803	6.9869
1330	6.9936	7.0002	7.0068	7.0134	7.0201	7.0267	7.0334	7.0400	7.0466	7.0533
1340	7.0599	7.0666	7.0732	7.0799	7.0865	7.0932	7.0998	7.1065	7.1131	7.1198
1350	7.1264	7.1331	7.1397	7.1464	7.1531	7.1597	7.1664	7.1731	7.1797	7.1864



Temperature vs Millivolt Table Reference Junction 32°F

Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 2642°F
 -0 to 1400°C
Extension Grade: 32 to 392°F
 0 to 200°C

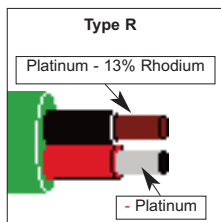
Maximum Thermocouple Grade
Temperature Range
 -58 to 3214°F
 -50 to 1768°C
Accuracy: Standard: 1.7°C or 0.5%
 Special: 1.0°C or 0.4%



Recommended Applications:

Oxidizing or Inert Environments Beware of Contamination. High Temperature Applications

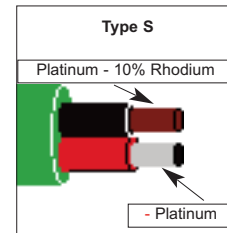
Temp	0	1	2	3	4	5	6	7	8	9
1360	7.1931	7.1998	7.2064	7.2131	7.2198	7.2265	7.2332	7.2398	7.2465	7.2532
1370	7.2599	7.2666	7.2733	7.2800	7.2867	7.2934	7.3001	7.3067	7.3134	7.3201
1380	7.3269	7.3336	7.3403	7.3470	7.3537	7.3604	7.3671	7.3738	7.3805	7.3872
1390	7.3940	7.4007	7.4074	7.4141	7.4208	7.4276	7.4343	7.4410	7.4478	7.4545
1400	7.4612	7.4679	7.4747	7.4814	7.4882	7.4949	7.5016	7.5084	7.5151	7.5219
1410	7.5286	7.5354	7.5421	7.5489	7.5556	7.5624	7.5691	7.5759	7.5826	7.5894
1420	7.5962	7.6029	7.6097	7.6165	7.6232	7.6300	7.6368	7.6435	7.6503	7.6571
1430	7.6639	7.6706	7.6774	7.6842	7.6910	7.6978	7.7046	7.7114	7.7181	7.7249
1440	7.7317	7.7385	7.7453	7.7521	7.7589	7.7657	7.7725	7.7793	7.7861	7.7929
1450	7.7997	7.8065	7.8133	7.8201	7.8270	7.8338	7.8406	7.8474	7.8542	7.8610
1460	7.8679	7.8747	7.8815	7.8883	7.8952	7.9020	7.9088	7.9157	7.9225	7.9293
1470	7.9362	7.9430	7.9498	7.9567	7.9635	7.9704	7.9772	7.9841	7.9909	7.9978
1480	8.0046	8.0115	8.0183	8.0252	8.0320	8.0389	8.0457	8.0526	8.0595	8.0663
1490	8.0732	8.0801	8.0869	8.0938	8.1007	8.1076	8.1144	8.1213	8.1282	8.1351
1500	8.1419	8.1488	8.1557	8.1626	8.1695	8.1764	8.1833	8.1902	8.1970	8.2039
1510	8.2108	8.2177	8.2246	8.2315	8.2384	8.2453	8.2522	8.2591	8.2661	8.2730
1520	8.2799	8.2868	8.2937	8.3006	8.3075	8.3144	8.3214	8.3283	8.3352	8.3421
1530	8.3491	8.3560	8.3629	8.3698	8.3768	8.3837	8.3906	8.3976	8.4045	8.4114
1540	8.4184	8.4253	8.4323	8.4392	8.4462	8.4531	8.4601	8.4670	8.4740	8.4809
1550	8.4879	8.4948	8.5018	8.5087	8.5157	8.5227	8.5296	8.5366	8.5436	8.5505
1560	8.5575	8.5645	8.5714	8.5784	8.5854	8.5924	8.5993	8.6063	8.6133	8.6203
1570	8.6273	8.6343	8.6412	8.6482	8.6552	8.6622	8.6692	8.6762	8.6832	8.6902
1580	8.6972	8.7042	8.7112	8.7182	8.7252	8.7322	8.7392	8.7462	8.7532	8.7602
1590	8.7672	8.7743	8.7813	8.7883	8.7953	8.8023	8.8094	8.8164	8.8234	8.8304
1600	8.8375	8.8445	8.8515	8.8585	8.8656	8.8726	8.8797	8.8867	8.8937	8.9008
1610	8.9078	8.9149	8.9219	8.9289	8.9360	8.9430	8.9501	8.9571	8.9642	8.9713
1620	8.9783	8.9854	8.9924	8.9995	9.0065	9.0136	9.0207	9.0277	9.0348	9.0419
1630	9.0490	9.0560	9.0631	9.0702	9.0772	9.0843	9.0914	9.0985	9.1056	9.1127
1640	9.1197	9.1268	9.1339	9.1410	9.1481	9.1552	9.1623	9.1694	9.1765	9.1836
1650	9.1907	9.1978	9.2049	9.2120	9.2191	9.2262	9.2333	9.2404	9.2475	9.2546
1660	9.2617	9.2689	9.2760	9.2831	9.2902	9.2973	9.3044	9.3116	9.3187	9.3258
1670	9.3330	9.3401	9.3472	9.3543	9.3615	9.3686	9.3757	9.3829	9.3900	9.3972
1680	9.4043	9.4115	9.4186	9.4257	9.4329	9.4400	9.4472	9.4543	9.4615	9.4686
1690	9.4758	9.4830	9.4901	9.4973	9.5044	9.5116	9.5188	9.5259	9.5331	9.5403
1700	9.5474	9.5546	9.5618	9.5690	9.5761	9.5833	9.5905	9.5977	9.6049	9.6120
1710	9.6192	9.6264	9.6336	9.6408	9.6480	9.6552	9.6624	9.6695	9.6767	9.6839
1720	9.6911	9.6983	9.7055	9.7127	9.7199	9.7271	9.7344	9.7416	9.7488	9.7560
1730	9.7632	9.7704	9.7776	9.7848	9.7921	9.7993	9.8065	9.8137	9.8209	9.8282
1740	9.8354	9.8426	9.8498	9.8571	9.8643	9.8715	9.8788	9.8860	9.8932	9.9005
1750	9.9077	9.9150	9.9222	9.9294	9.9367	9.9439	9.9512	9.9584	9.9657	9.9729
1760	9.9802	9.9874	9.9947	10.0020	10.0092	10.0165	10.0237	10.0310	10.0383	10.0455
1770	10.0528	10.0601	10.0673	10.0746	10.0819	10.0891	10.0964	10.1037	10.1110	10.1183
1780	10.1255	10.1328	10.1401	10.1474	10.1547	10.1620	10.1692	10.1765	10.1838	10.1911
1790	10.1984	10.2057	10.2130	10.2203	10.2276	10.2349	10.2422	10.2495	10.2568	10.2641
1800	10.2714	10.2787	10.2860	10.2934	10.3007	10.3080	10.3153	10.3226	10.3299	10.3372
1810	10.3446	10.3519	10.3592	10.3665	10.3739	10.3812	10.3885	10.3958	10.4032	10.4105
1820	10.4178	10.4252	10.4325	10.4399	10.4472	10.4545	10.4619	10.4692	10.4766	10.4839
1830	10.4913	10.4986	10.5060	10.5133	10.5207	10.5280	10.5354	10.5427	10.5501	10.5574
1840	10.5648	10.5722	10.5795	10.5869	10.5943	10.6016	10.6090	10.6164	10.6237	10.6311



Temperature vs Millivolt Table Reference Junction 32°F

Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 2642°F
-0 to 1400°C
Extension Grade: 32 to 392°F
0 to 200°C

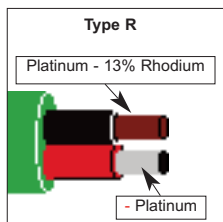
Maximum Thermocouple Grade
Temperature Range
-58 to 3214°F
-50 to 1768°C
Accuracy: Standard: 1.7°C or 0.5%
Special: 1.0°C or 0.4%



Recommended Applications:

Oxidizing or Inert Environments Beware of Contamination. High Temperature Applications

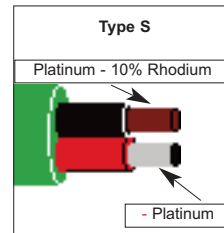
Temp	0	1	2	3	4	5	6	7	8	9
1850	10.6385	10.6459	10.6532	10.6606	10.6680	10.6754	10.6827	10.6901	10.6975	10.7049
1860	10.7123	10.7197	10.7271	10.7345	10.7418	10.7492	10.7566	10.7640	10.7714	10.7788
1870	10.7862	10.7936	10.8010	10.8084	10.8158	10.8232	10.8306	10.8381	10.8455	10.8529
1880	10.8603	10.8677	10.8751	10.8825	10.8900	10.8974	10.9048	10.9122	10.9196	10.9271
1890	10.9345	10.9419	10.9493	10.9568	10.9642	10.9716	10.9791	10.9865	10.9939	11.0014
1900	11.0088	11.0162	11.0237	11.0311	11.0386	11.0460	11.0535	11.0609	11.0684	11.0758
1910	11.0833	11.0907	11.0982	11.1056	11.1131	11.1205	11.1280	11.1354	11.1429	11.1504
1920	11.1578	11.1653	11.1728	11.1802	11.1877	11.1952	11.2026	11.2101	11.2176	11.2251
1930	11.2325	11.2400	11.2475	11.2550	11.2625	11.2699	11.2774	11.2849	11.2924	11.2999
1940	11.3074	11.3149	11.3223	11.3298	11.3373	11.3448	11.3523	11.3598	11.3673	11.3748
1950	11.3823	11.3898	11.3973	11.4048	11.4123	11.4198	11.4273	11.4349	11.4424	11.4499
1960	11.4574	11.4649	11.4724	11.4799	11.4875	11.4950	11.5025	11.5100	11.5175	11.5251
1970	11.5326	11.5401	11.5476	11.5552	11.5627	11.5702	11.5778	11.5853	11.5928	11.6004
1980	11.6079	11.6154	11.6230	11.6305	11.6380	11.6456	11.6531	11.6607	11.6682	11.6758
1990	11.6833	11.6909	11.6984	11.7060	11.7135	11.7211	11.7286	11.7362	11.7437	11.7513
2000	11.7589	11.7664	11.7740	11.7815	11.7891	11.7967	11.8042	11.8118	11.8194	11.8269
2010	11.8345	11.8421	11.8496	11.8572	11.8648	11.8724	11.8799	11.8875	11.8951	11.9027
2020	11.9103	11.9178	11.9254	11.9330	11.9406	11.9482	11.9558	11.9633	11.9709	11.9785
2030	11.9861	11.9937	12.0013	12.0089	12.0165	12.0241	12.0317	12.0393	12.0469	12.0545
2040	12.0621	12.0697	12.0773	12.0849	12.0925	12.1001	12.1077	12.1153	12.1229	12.1305
2050	12.1381	12.1458	12.1534	12.1610	12.1686	12.1762	12.1838	12.1915	12.1991	12.2067
2060	12.2143	12.2219	12.2296	12.2372	12.2448	12.2524	12.2601	12.2677	12.2753	12.2829
2070	12.2906	12.2982	12.3058	12.3135	12.3211	12.3287	12.3364	12.3440	12.3517	12.3593
2080	12.3669	12.3746	12.3822	12.3899	12.3975	12.4051	12.4128	12.4204	12.4281	12.4357
2090	12.4434	12.4510	12.4587	12.4663	12.4740	12.4816	12.4893	12.4969	12.5046	12.5123
2100	12.5199	12.5276	12.5352	12.5429	12.5506	12.5582	12.5659	12.5736	12.5812	12.5889
2110	12.5965	12.6042	12.6119	12.6196	12.6272	12.6349	12.6426	12.6502	12.6579	12.6656
2120	12.6733	12.6809	12.6886	12.6963	12.7040	12.7117	12.7193	12.7270	12.7347	12.7424
2130	12.7501	12.7577	12.7654	12.7731	12.7808	12.7885	12.7962	12.8039	12.8116	12.8193
2140	12.8269	12.8346	12.8423	12.8500	12.8577	12.8654	12.8731	12.8808	12.8885	12.8962
2150	12.9039	12.9116	12.9193	12.9270	12.9347	12.9424	12.9501	12.9578	12.9655	12.9732
2160	12.9809	12.9887	12.9964	13.0041	13.0118	13.0195	13.0272	13.0349	13.0426	13.0503
2170	13.0581	13.0658	13.0735	13.0812	13.0889	13.0966	13.1044	13.1121	13.1198	13.1275
2180	13.1352	13.1430	13.1507	13.1584	13.1661	13.1739	13.1816	13.1893	13.1970	13.2048
2190	13.2125	13.2202	13.2280	13.2357	13.2434	13.2512	13.2589	13.2666	13.2744	13.2821
2200	13.2898	13.2976	13.3053	13.3130	13.3208	13.3285	13.3363	13.3440	13.3517	13.3595
2210	13.3672	13.3750	13.3827	13.3905	13.3982	13.4060	13.4137	13.4214	13.4292	13.4369
2220	13.4447	13.4524	13.4602	13.4679	13.4757	13.4834	13.4912	13.4990	13.5067	13.5145
2230	13.5222	13.5300	13.5377	13.5455	13.5532	13.5610	13.5688	13.5765	13.5843	13.5920
2240	13.5998	13.6076	13.6153	13.6231	13.6309	13.6386	13.6464	13.6541	13.6619	13.6697
2250	13.6774	13.6852	13.6930	13.7008	13.7085	13.7163	13.7241	13.7318	13.7396	13.7474
2260	13.7552	13.7629	13.7707	13.7785	13.7862	13.7940	13.8018	13.8096	13.8174	13.8251
2270	13.8329	13.8407	13.8485	13.8562	13.8640	13.8718	13.8796	13.8874	13.8952	13.9029
2280	13.9107	13.9185	13.9263	13.9341	13.9419	13.9496	13.9574	13.9652	13.9730	13.9808
2290	13.9886	13.9964	14.0042	14.0119	14.0197	14.0275	14.0353	14.0431	14.0509	14.0587
2300	14.0665	14.0743	14.0821	14.0899	14.0977	14.1055	14.1133	14.1211	14.1289	14.1367
2310	14.1444	14.1522	14.1600	14.1678	14.1756	14.1834	14.1912	14.1990	14.2068	14.2146
2320	14.2225	14.2303	14.2381	14.2459	14.2537	14.2615	14.2693	14.2771	14.2849	14.2927



Temperature vs Millivolt Table Reference Junction 32°F

Temperature Range
Maximum Useful Temperature Range:
Thermocouple Grade: 32 to 2642°F
-0 to 1400°C
Extension Grade: 32 to 392°F
0 to 200°C

Maximum Thermocouple Grade
Temperature Range
-58 to 3214°F
-50 to 1768°C
Accuracy: Standard: 1.7°C or 0.5%
Special: 1.0°C or 0.4%



Recommended Applications:

Oxidizing or Inert Environments Beware of Contamination. High Temperature Applications

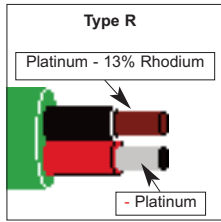
Temp	0	1	2	3	4	5	6	7	8	9
2330	14.3005	14.3083	14.3161	14.3239	14.3317	14.3395	14.3473	14.3552	14.3630	14.3708
2340	14.3786	14.3864	14.3942	14.4020	14.4098	14.4176	14.4255	14.4333	14.4411	14.4489
2350	14.4567	14.4645	14.4723	14.4802	14.4880	14.4958	14.5036	14.5114	14.5192	14.5271
2360	14.5349	14.5427	14.5505	14.5583	14.5661	14.5740	14.5818	14.5896	14.5974	14.6053
2370	14.6131	14.6209	14.6287	14.6365	14.6444	14.6522	14.6600	14.6678	14.6757	14.6835
2380	14.6913	14.6991	14.7070	14.7148	14.7226	14.7304	14.7383	14.7461	14.7539	14.7617
2390	14.7696	14.7774	14.7852	14.7931	14.8009	14.8087	14.8165	14.8244	14.8322	14.8400
2400	14.8479	14.8557	14.8635	14.8714	14.8792	14.8870	14.8948	14.9027	14.9105	14.9183
2410	14.9262	14.9340	14.9418	14.9497	14.9575	14.9653	14.9732	14.9810	14.9888	14.9967
2420	15.0045	15.0124	15.0202	15.0280	15.0359	15.0437	15.0515	15.0594	15.0672	15.0751
2430	15.0829	15.0907	15.0986	15.1064	15.1142	15.1221	15.1299	15.1378	15.1456	15.1534
2440	15.1613	15.1691	15.1770	15.1848	15.1926	15.2005	15.2083	15.2162	15.2240	15.2318
2450	15.2397	15.2475	15.2554	15.2632	15.2711	15.2789	15.2867	15.2946	15.3024	15.3103
2460	15.3181	15.3260	15.3338	15.3416	15.3495	15.3573	15.3652	15.3730	15.3809	15.3887
2470	15.3966	15.4044	15.4122	15.4201	15.4279	15.4358	15.4436	15.4515	15.4593	15.4672
2480	15.4750	15.4829	15.4907	15.4985	15.5064	15.5142	15.5221	15.5299	15.5378	15.5456
2490	15.5535	15.5613	15.5692	15.5770	15.5849	15.5927	15.6006	15.6084	15.6162	15.6241
2500	15.6319	15.6398	15.6476	15.6555	15.6633	15.6712	15.6790	15.6869	15.6947	15.7026
2510	15.7104	15.7183	15.7261	15.7340	15.7418	15.7497	15.7575	15.7654	15.7732	15.7811
2520	15.7889	15.7968	15.8046	15.8125	15.8203	15.8282	15.8360	15.8439	15.8517	15.8596
2530	15.8674	15.8753	15.8831	15.8910	15.8988	15.9067	15.9145	15.9224	15.9302	15.9381
2540	15.9459	15.9538	15.9616	15.9695	15.9773	15.9851	15.9930	16.0008	16.0087	16.0165
2550	16.0244	16.0322	16.0401	16.0479	16.0558	16.0636	16.0715	16.0793	16.0872	16.0950
2560	16.1029	16.1107	16.1186	16.1264	16.1343	16.1421	16.1500	16.1578	16.1657	16.1735
2570	16.1814	16.1892	16.1971	16.2049	16.2128	16.2206	16.2285	16.2363	16.2442	16.2520
2580	16.2599	16.2677	16.2756	16.2834	16.2912	16.2991	16.3069	16.3148	16.3226	16.3305
2590	16.3383	16.3462	16.3540	16.3619	16.3697	16.3776	16.3854	16.3933	16.4011	16.4089
2600	16.4168	16.4246	16.4325	16.4403	16.4482	16.4560	16.4639	16.4717	16.4796	16.4874
2610	16.4952	16.5031	16.5109	16.5188	16.5266	16.5345	16.5423	16.5502	16.5580	16.5658
2620	16.5737	16.5815	16.5894	16.5972	16.6051	16.6129	16.6207	16.6286	16.6364	16.6443
2630	16.6521	16.6599	16.6678	16.6756	16.6835	16.6913	16.6992	16.7070	16.7148	16.7227
2640	16.7305	16.7383	16.7462	16.7540	16.7619	16.7697	16.7775	16.7854	16.7932	16.8011
2650	16.8089	16.8167	16.8246	16.8324	16.8402	16.8481	16.8559	16.8638	16.8716	16.8794
2660	16.8873	16.8951	16.9029	16.9108	16.9186	16.9264	16.9343	16.9421	16.9499	16.9578
2670	16.9656	16.9734	16.9813	16.9891	16.9969	17.0048	17.0126	17.0204	17.0282	17.0361
2680	17.0439	17.0517	17.0596	17.0674	17.0752	17.0831	17.0909	17.0987	17.1065	17.1144
2690	17.1222	17.1300	17.1378	17.1457	17.1535	17.1613	17.1692	17.1770	17.1848	17.1926
2700	17.2005	17.2083	17.2161	17.2239	17.2317	17.2396	17.2474	17.2552	17.2630	17.2709
2710	17.2787	17.2865	17.2943	17.3021	17.3100	17.3178	17.3256	17.3334	17.3412	17.3491
2720	17.3569	17.3647	17.3725	17.3803	17.3881	17.3960	17.4038	17.4116	17.4194	17.4272
2730	17.4350	17.4428	17.4507	17.4585	17.4663	17.4741	17.4819	17.4897	17.4975	17.5053
2740	17.5131	17.5210	17.5288	17.5366	17.5444	17.5522	17.5600	17.5678	17.5756	17.5834
2750	17.5912	17.5990	17.6068	17.6146	17.6224	17.6302	17.6381	17.6459	17.6537	17.6615
2760	17.6693	17.6771	17.6849	17.6927	17.7005	17.7083	17.7161	17.7239	17.7317	17.7395
2770	17.7473	17.7551	17.7629	17.7706	17.7784	17.7862	17.7940	17.8018	17.8096	17.8174
2780	17.8252	17.8330	17.8408	17.8486	17.8564	17.8642	17.8720	17.8797	17.8875	17.8953
2790	17.9031	17.9109	17.9187	17.9265	17.9343	17.9420	17.9498	17.9576	17.9654	17.9732
2800	17.9810	17.9887	17.9965	18.0043	18.0121	18.0199	18.0276	18.0354	18.0432	18.0510



Technical Information Data Bulletin

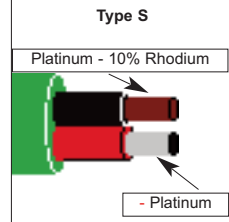
Type R/S Thermocouple Platinum-Rhodium

TEMPERATURE & PROCESS INSTRUMENTS - CON-



Temperature vs Millivolt Table Reference Junction 32°F

Temperature Range	Maximum Thermocouple Grade
Maximum Useful Temperature Range:	Temperature Range
Thermocouple Grade: 32 to 2642°F	-58 to 3214°F
-0 to 1400°C	-50 to 1768°C
Extension Grade: 32 to 392°F	Accuracy: Standard: 1.7°C or 0.5%
0 to 200°C	Special: 1.0°C or 0.4%



Recommended Applications:
Oxidizing or Inert Environments Beware of Contamination. High Temperature Applications

Temp	0	1	2	3	4	5	6	7	8	9
2810	18.0588	18.0665	18.0743	18.0821	18.0899	18.0976	18.1054	18.1132	18.1210	18.1287
2820	18.1365	18.1443	18.1521	18.1598	18.1676	18.1754	18.1831	18.1909	18.1987	18.2064
2830	18.2142	18.2220	18.2297	18.2375	18.2453	18.2530	18.2608	18.2686	18.2763	18.2841
2840	18.2918	18.2996	18.3074	18.3151	18.3229	18.3306	18.3384	18.3462	18.3539	18.3617
2850	18.3694	18.3772	18.3849	18.3927	18.4004	18.4082	18.4159	18.4237	18.4314	18.4392
2860	18.4469	18.4547	18.4624	18.4702	18.4779	18.4857	18.4934	18.5012	18.5089	18.5166
2870	18.5244	18.5321	18.5399	18.5476	18.5553	18.5631	18.5708	18.5786	18.5863	18.5940
2880	18.6018	18.6095	18.6172	18.6250	18.6327	18.6404	18.6482	18.6559	18.6636	18.6714
2890	18.6791	18.6868	18.6945	18.7023	18.7100	18.7177	18.7254	18.7332	18.7409	18.7486
2900	18.7563	18.7641	18.7718	18.7795	18.7872	18.7949	18.8027	18.8104	18.8181	18.8258
2910	18.8335	18.8412	18.8489	18.8567	18.8644	18.8721	18.8798	18.8875	18.8952	18.9029
2920	18.9106	18.9183	18.9260	18.9337	18.9414	18.9491	18.9568	18.9645	18.9722	18.9799
2930	18.9876	18.9953	19.0030	19.0107	19.0184	19.0261	19.0338	19.0415	19.0492	19.0569
2940	19.0646	19.0723	19.0800	19.0877	19.0954	19.1030	19.1107	19.1184	19.1261	19.1338
2950	19.1415	19.1491	19.1568	19.1645	19.1722	19.1799	19.1875	19.1952	19.2029	19.2106
2960	19.2183	19.2259	19.2336	19.2413	19.2489	19.2566	19.2643	19.2720	19.2796	19.2873
2970	19.2950	19.3026	19.3103	19.3179	19.3256	19.3333	19.3409	19.3486	19.3563	19.3639
2980	19.3716	19.3792	19.3869	19.3945	19.4022	19.4098	19.4175	19.4252	19.4328	19.4405
2990	19.4481	19.4557	19.4634	19.4710	19.4787	19.4863	19.4940	19.5016	19.5093	19.5169
3000	19.5245	19.5322	19.5398	19.5475	19.5551	19.5627	19.5704	19.5780	19.5856	19.5933
3010	19.6009	19.6085	19.6161	19.6238	19.6314	19.6390	19.6466	19.6543	19.6619	19.6695
3020	19.6771	19.6848	19.6924	19.7000	19.7076	19.7152	19.7228	19.7305	19.7381	19.7457
3030	19.7533	19.7609	19.7685	19.7761	19.7837	19.7913	19.7989	19.8065	19.8141	19.8217
3040	19.8293	19.8369	19.8445	19.8521	19.8597	19.8673	19.8749	19.8825	19.8901	19.8977
3050	19.9052	19.9128	19.9204	19.9280	19.9356	19.9431	19.9507	19.9583	19.9658	19.9734
3060	19.9810	19.9885	19.9961	20.0036	20.0112	20.0188	20.0263	20.0339	20.0414	20.0489
3070	20.0565	20.0640	20.0716	20.0791	20.0866	20.0942	20.1017	20.1092	20.1167	20.1242
3080	20.1318	20.1393	20.1468	20.1543	20.1618	20.1693	20.1768	20.1843	20.1918	20.1993
3090	20.2067	20.2142	20.2217	20.2292	20.2366	20.2441	20.2516	20.2590	20.2665	20.2740
3100	20.2814	20.2888	20.2963	20.3037	20.3112	20.3186	20.3260	20.3335	20.3409	20.3483
3110	20.3557	20.3631	20.3705	20.3779	20.3853	20.3927	20.4001	20.4075	20.4149	20.4223
3120	20.4296	20.4370	20.4444	20.4517	20.4591	20.4664	20.4738	20.4811	20.4885	20.4958
3130	20.5031	20.5104	20.5178	20.5251	20.5324	20.5397	20.5470	20.5543	20.5616	20.5689
3140	20.5762	20.5834	20.5907	20.5980	20.6052	20.6125	20.6197	20.6270	20.6342	20.6415
3150	20.6487	20.6559	20.6631	20.6703	20.6776	20.6848	20.6920	20.6991	20.7063	20.7135
3160	20.7207	20.7279	20.7350	20.7422	20.7493	20.7565	20.7636	20.7707	20.7779	20.7850
3170	20.7921	20.7992	20.8063	20.8134	20.8205	20.8276	20.8347	20.8418	20.8488	20.8559
3180	20.8629	20.8700	20.8770	20.8841	20.8911	20.8981	20.9051	20.9121	20.9191	20.9261
3190	20.9331	20.9401	20.9471	20.9541	20.9610	20.9680	20.9749	20.9819	20.9888	20.9957
3200	21.0026	21.0096	21.0165	21.0234	21.0302	21.0371	21.0440	21.0509	21.0577	21.0646
3210	21.0714	21.0783	21.0851	21.0919	21.0988					