

Type B Platinum-6% Rhodium vs Platinum-30% Rhodium ITS-90

Temperature conversion table for Type B (Platinum-6% Rhodium vs Platinum-30% Rhodium ITS-90) showing °C and °F values from 0 to 1800.

Type E Chromel vs. Constantan ITS-90

Temperature conversion table for Type E (Chromel vs. Constantan ITS-90) showing °C and °F values from -200 to 1700.

Type C Tungsten- 5% Rhenium vs Tungsten-26% Rhenium ITS-90

Type C Tungsten- 5% Rhenium vs Tungsten-26% Rhenium ITS-90

°C	0	10	20	30	40	50	60	70	80	90	100
0	0.000	0.135	0.273	0.413	0.555	0.699	0.846	0.994	1.145	1.297	1.451
100	1.451	1.608	1.766	1.926	2.087	2.251	2.415	2.582	2.750	2.919	3.090
200	3.090	3.262	3.436	3.610	3.786	3.963	4.141	4.321	4.501	4.682	4.865
300	4.865	5.048	5.232	5.417	5.603	5.789	5.976	6.164	6.353	6.542	6.732
400	6.732	6.922	7.113	7.305	7.497	7.689	7.882	8.075	8.269	8.463	8.657
500	8.657	8.851	9.046	9.241	9.436	9.631	9.827	10.022	10.218	10.413	10.609
600	10.609	10.804	10.999	11.195	11.390	11.585	11.780	11.974	12.169	12.364	12.559
700	12.559	12.753	12.947	13.141	13.335	13.529	13.723	13.916	14.109	14.301	14.494
800	14.494	14.686	14.878	15.069	15.260	15.451	15.641	15.831	16.021	16.210	16.398
900	16.398	16.587	16.775	16.962	17.149	17.335	17.521	17.707	17.892	18.076	18.260
1000	18.260	18.444	18.627	18.809	18.991	19.172	19.353	19.533	19.713	19.892	20.071
1100	20.071	20.249	20.426	20.603	20.779	20.955	21.130	21.305	21.479	21.652	21.825
1200	21.825	21.997	22.169	22.340	22.510	22.680	22.849	23.018	23.186	23.353	23.520
1300	23.520	23.686	23.852	24.017	24.181	24.345	24.508	24.671	24.833	24.994	25.155
1400	25.155	25.315	25.475	25.633	25.792	25.949	26.107	26.263	26.419	26.574	26.729
1500	26.729	26.883	27.037	27.190	27.342	27.493	27.645	27.795	27.945	28.094	28.243
1600	28.243	28.391	28.538	28.685	28.831	28.977	29.122	29.266	29.410	29.553	29.696
1700	29.696	29.838	29.979	30.120	30.260	30.399	30.538	30.676	30.813	30.950	31.087
1800	31.087	31.222	31.357	31.491	31.625	31.758	31.890	32.022	32.153	32.283	32.413
1900	32.413	32.542	32.670	32.797	32.924	33.050	33.175	33.300	33.424	33.547	33.669
2000	33.669	33.791	33.911	34.031	34.151	34.269	34.387	34.503	34.619	34.734	34.849
2100	34.849	34.962	35.074	35.186	35.296	35.406	35.515	35.623	35.730	35.836	35.940
2200	35.940	36.044	36.147	36.249	36.350	36.449	36.548	36.645	36.742	36.837	36.931
2300	36.931	37.024									

°F	0	10	20	30	40	50	60	70	80	90	100
0	0.523	0.603	0.683	0.764	0.846	0.928	1.011	1.094	1.178	1.263	1.348
100	1.348	1.434	1.521	1.608	1.695	1.784	1.872	1.962	2.051	2.142	2.232
200	2.232	2.324	2.415	2.508	2.600	2.694	2.787	2.881	2.976	3.071	3.166
300	3.166	3.262	3.358	3.455	3.552	3.649	3.747	3.845	3.943	4.042	4.141
400	4.141	4.241	4.341	4.441	4.541	4.642	4.743	4.844	4.946	5.048	5.150
500	5.150	5.252	5.355	5.458	5.620	5.721	5.822	5.924	6.026	6.128	6.231
600	6.185	6.290	6.395	6.500	6.605	6.711	6.817	6.922	7.028	7.135	7.241
700	7.241	7.347	7.454	7.561	7.668	7.775	7.882	7.989	8.097	8.204	8.312
800	8.312	8.420	8.527	8.635	8.743	8.851	8.960	9.068	9.176	9.284	9.393
900	9.393	9.501	9.610	9.718	9.827	9.935	10.044	10.153	10.261	10.370	10.478
1000	10.478	10.587	10.696	10.804	10.913	11.021	11.130	11.238	11.346	11.455	11.563
1100	11.563	11.671	11.780	11.888	11.996	12.104	12.213	12.321	12.429	12.537	12.645
1200	12.645	12.753	12.861	12.969	13.077	13.185	13.292	13.400	13.508	13.615	13.723
1300	13.723	13.830	13.937	14.044	14.152	14.259	14.366	14.472	14.579	14.686	14.792
1400	14.792	14.899	15.005	15.112	15.218	15.324	15.430	15.535	15.641	15.747	15.852
1500	15.852	15.957	16.063	16.168	16.273	16.377	16.482	16.587	16.691	16.795	16.899
1600	16.899	17.003	17.107	17.211	17.315	17.418	17.521	17.624	17.727	17.830	17.933
1700	17.933	18.035	18.138	18.240	18.342	18.444	18.545	18.647	18.748	18.849	18.951
1800	18.951	19.051	19.152	19.253	19.353	19.453	19.553	19.653	19.753	19.852	19.952
1900	19.952	20.051	20.150	20.249	20.347	20.446	20.544	20.642	20.740	20.838	20.936
2000	20.936	21.033	21.130	21.227	21.324	21.421	21.517	21.614	21.710	21.806	21.902
2100	21.902	21.997	22.093	22.188	22.283	22.378	22.472	22.567	22.661	22.755	22.849
2200	22.849	22.943	23.037	23.130	23.223	23.316	23.409	23.502	23.594	23.686	23.778
2300	23.778	23.870	23.962	24.053	24.145	24.236	24.327	24.418	24.508	24.599	24.689
2400	24.689	24.779	24.869	24.958	25.048	25.137	25.226	25.315	25.404	25.492	25.581
2500	25.581	25.669	25.757	25.844	25.932	26.019	26.107	26.194	26.280	26.367	26.454
2600	26.454	26.540	26.626	26.712	26.798	26.883	26.968	27.054	27.139	27.223	27.308
2700	27.308	27.392	27.477	27.561	27.645	27.728	27.812	27.895	27.978	28.061	28.144
2800	28.144	28.226	28.309	28.391	28.473	28.555	28.636	28.718	28.799	28.880	28.961
2900	28.961	29.041	29.122	29.202	29.282	29.362	29.442	29.521	29.601	29.680	29.759
3000	29.759	29.838	29.916	29.995	30.073	30.151	30.229	30.306	30.384	30.461	30.538
3100	30.538	30.615	30.691	30.768	30.844	30.920	30.996	31.071	31.147	31.222	31.297
3200	31.297	31.372	31.447	31.521	31.595	31.669	31.743	31.817	31.890	31.963	32.036
3300	32.036	32.109	32.182	32.254	32.326	32.398	32.470	32.542	32.613	32.684	32.755
3400	32.755	32.825	32.896	32.966	33.036	33.106	33.175	33.245	33.314	33.383	33.451
3500	33.451	33.520	33.588	33.656	33.723	33.791	33.858	33.925	33.992	34.058	34.124
3600	34.124	34.190	34.256	34.321	34.387	34.452	34.516	34.581	34.645	34.709	34.772
3700	34.772	34.836	34.899	34.962	35.024	35.087	35.149	35.211	35.272	35.333	35.394
3800	35.394	35.455	35.515	35.575	35.635	35.694	35.753	35.812	35.871	35.929	35.987
3900	35.987	36.044	36.102	36.159	36.215	36.271	36.327	36.383	36.438	36.493	36.548
4000	36.548	36.602	36.656	36.710	36.763	36.816	36.868	36.921	36.972	37.024	37.075
4100											

Type J

Iron vs Constantan ITS-90

Table with 12 columns for temperature (°C and °F) and 12 rows for temperature (°C and °F). It contains resistance data for Type J thermocouples against Iron vs Constantan.

Type K

Chromel vs Alumel ITS-90

Table with 12 columns for temperature (°C and °F) and 12 rows for temperature (°C and °F). It contains resistance data for Type K thermocouples against Chromel vs Alumel.

Technical Information

Type N      Nicrosil vs. Nisil ITS-90

°C	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-200	-3.990	-4.083	-4.162	-4.226	-4.277	-4.313	-4.336	-4.345			
-100	-2.407	-2.612	-2.808	-2.994	-3.171	-3.336	-3.491	-3.634	-3.766	-3.884	-3.990
0	0.000	-0.260	-0.518	-0.772	-1.023	-1.269	-1.509	-1.744	-1.972	-2.193	-2.407
°C	0	10	20	30	40	50	60	70	80	90	100
0	0.000	0.261	0.525	0.793	1.065	1.340	1.619	1.902	2.189	2.480	2.774
100	2.774	3.072	3.374	3.680	3.989	4.302	4.618	4.937	5.259	5.585	5.913
200	5.913	6.245	6.579	6.916	7.255	7.597	7.941	8.288	8.637	8.988	9.341
300	9.341	9.696	10.054	10.413	10.774	11.136	11.501	11.867	12.234	12.603	12.974
400	12.974	13.346	13.719	14.094	14.469	14.846	15.225	15.604	15.984	16.366	16.748
500	16.748	17.131	17.515	17.900	18.286	18.672	19.059	19.447	19.835	20.224	20.613
600	20.613	21.003	21.393	21.784	22.175	22.566	22.958	23.350	23.742	24.134	24.527
700	24.527	24.919	25.312	25.705	26.098	26.491	26.883	27.276	27.669	28.062	28.455
800	28.455	28.847	29.239	29.632	30.024	30.416	30.807	31.199	31.590	31.981	32.371
900	32.371	32.761	33.151	33.541	33.930	34.319	34.707	35.095	35.482	35.869	36.256
1000	36.256	36.641	37.027	37.411	37.795	38.179	38.562	38.944	39.326	39.706	40.087
1100	40.087	40.466	40.845	41.223	41.600	41.976	42.352	42.727	43.101	43.474	43.846
1200	43.846	44.218	44.588	44.958	45.326	45.694	46.060	46.425	46.789	47.152	47.513
°F	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-400	-4.277	-4.299	-4.316	-4.330	-4.339	-4.344					
-300	-3.820	-3.884	-3.945	-4.001	-4.054	-4.102	-4.145	-4.185	-4.220	-4.251	-4.277
-200	-2.974	-3.074	-3.171	-3.264	-3.354	-3.441	-3.524	-3.604	-3.679	-3.752	-3.820
-100	-1.821	-1.947	-2.072	-2.193	-2.313	-2.430	-2.544	-2.656	-2.765	-2.871	-2.974
0	-0.461	-0.603	-0.744	-0.884	-1.023	-1.160	-1.296	-1.430	-1.562	-1.692	-1.821
°F	0	10	20	30	40	50	60	70	80	90	100
0	-0.461	-0.318	-0.174	-0.029	0.116	0.261	0.407	0.555	0.703	0.853	1.004
100	1.004	1.156	1.309	1.463	1.619	1.776	1.934	2.093	2.253	2.415	2.577
200	2.577	2.741	2.906	3.072	3.240	3.408	3.578	3.748	3.920	4.093	4.267
300	4.267	4.442	4.618	4.795	4.973	5.152	5.332	5.512	5.694	5.877	6.060
400	6.060	6.245	6.430	6.616	6.803	6.991	7.179	7.369	7.559	7.750	7.941
500	7.941	8.134	8.327	8.520	8.715	8.910	9.105	9.302	9.499	9.696	9.895
600	9.895	10.093	10.293	10.493	10.693	10.894	11.096	11.298	11.501	11.704	11.907
700	11.907	12.111	12.316	12.521	12.726	12.932	13.139	13.346	13.553	13.760	13.969
800	13.969	14.177	14.386	14.595	14.804	15.014	15.225	15.435	15.646	15.857	16.069
900	16.069	16.281	16.493	16.705	16.918	17.131	17.344	17.558	17.772	17.986	18.200
1000	18.200	18.414	18.629	18.844	19.059	19.274	19.490	19.705	19.921	20.137	20.353
1100	20.353	20.570	20.786	21.003	21.220	21.437	21.654	21.871	22.088	22.305	22.523
1200	22.523	22.740	22.958	23.176	23.393	23.611	23.829	24.047	24.265	24.483	24.701
1300	24.701	24.919	25.137	25.356	25.574	25.792	26.010	26.229	26.447	26.665	26.883
1400	26.883	27.102	27.320	27.538	27.756	27.975	28.193	28.411	28.629	28.847	29.065
1500	29.065	29.283	29.501	29.719	29.937	30.154	30.372	30.590	30.807	31.025	31.242
1600	31.242	31.459	31.677	31.894	32.111	32.328	32.545	32.761	32.978	33.195	33.411
1700	33.411	33.627	33.844	34.060	34.276	34.491	34.707	34.923	35.138	35.353	35.568
1800	35.568	35.783	35.998	36.213	36.427	36.641	36.855	37.069	37.283	37.497	37.710
1900	37.710	37.923	38.136	38.349	38.562	38.774	38.986	39.198	39.410	39.622	39.833
2000	39.833	40.044	40.255	40.466	40.677	40.887	41.097	41.307	41.516	41.725	41.935
2100	41.935	42.143	42.352	42.560	42.768	42.976	43.184	43.391	43.598	43.805	44.012
2200	44.012	44.218	44.424	44.629	44.835	45.040	45.245	45.449	45.653	45.857	46.060
2300	46.060	46.263	46.466	46.668	46.870	47.071	47.272	47.473			

Type      Nickel-0.8% Cobalt vs. Nickel-18% Molybdenum ITS-90

°C	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
0	0.000	-0.365	-0.720	-1.067	-1.404	-1.732					
°C	0	10	20	30	40	50	60	70	80	90	100
0	0.000	0.373	0.756	1.146	1.545	1.951	2.365	2.787	3.215	3.650	4.092
100	4.092	4.539	4.993	5.451	5.915	6.383	6.855	7.331	7.811	8.293	8.778
200	8.778	9.266	9.755	10.245	10.736	11.227	11.718	12.208	12.696	13.182	13.665
300	13.665	13.182	12.696	12.208	11.718	11.227	10.736	10.245	10.736	11.718	12.696
400	18.181	18.618	19.059	19.502	19.949	20.399	20.853	21.310	21.771	22.235	22.703
500	22.703	23.174	23.649	24.127	24.610	25.095	25.584	26.077	26.573	27.072	27.574
600	27.574	28.080	28.589	29.101	29.616	30.135	30.656	31.180	31.707	32.237	32.769
700	32.769	33.304	33.842	34.382	34.925	35.470	36.017	36.567	37.119	37.672	38.228
800	38.228	38.786	39.346	39.907	40.471	41.036	41.602	42.171	42.740	43.312	43.884
900	43.884	44.459	45.034	45.611	46.189	46.768	47.348	47.929	48.512	49.095	49.680
1000	49.680	50.265	50.852	51.439	52.027	52.617	53.207	53.797	54.389	54.981	55.574
1100	55.574	56.168	56.762	57.357	57.953	58.549	59.146	59.743	60.341	60.939	61.537
1200	61.537	62.135	62.734	63.333	63.931	64.530	65.129	65.728	66.326	66.925	67.523
1300	67.523	68.121	68.719	69.317	69.914	70.511	71.109	71.707	72.305	72.903	73.503
°F	0	10	20	30	40	50	60	70	80	90	100
0	-0.642	-0.444	-0.244	-0.041	0.165	0.373	0.585	0.799	1.015	1.234	1.455
100	1.455	1.679	1.906	2.134	2.365	2.599	2.834	3.072	3.311	3.553	3.797
200	3.797	4.042	4.290	4.539	4.790	5.043	5.298	5.554	5.811	6.070	6.330
300	6.330	6.592	6.855	7.119	7.384	7.650	7.918	8.186	8.455	8.724	8.995
400	8.995	9.266	9.537	9.809	10.081	10.354	10.627	10.900	11.172	11.445	11.718
500	11.718	11.990	12.262	12.533	12.804	13.074	13.343	13.612	13.879	14.144	14.409
600	14.409	14.671	14.932	15.191	15.448	15.703	15.955	16.205	16.451	16.695	16.932
700	16.932	17.170	17.410	17.650	17.891	18.132	18.375	18.618	18.863	19.108	19.354
800	19.354	19.601	19.850	20.099	20.349	20.601	20.853	21.107	21.361	21.617	21.874
900	21.874	22.131	22.390	22.651	22.912	23.174	23.437	23.702	23.968	24.234	24.502
1000	24.502	24.771	25.041	25.312	25.584	25.857	26.132	26.407	26.683	26.961	27.239
1100	27.239	27.518	27.799	28.080	28.362	28.646	28.930	29.215	29.502	29.789	30.077
1200	30.077	30.366	30.656	30.947	31.239	31.531	31.825	32.119	32.414	32.710	33.007
1300	33.007	33.304	33.603	33.902	34.202	34.503	34.804	35.106	35.409	35.713	36.017
1400	36.017	36.322	36.628	36.934	37.241	37.549	37.857	38.166	38.476	38.786	39.097
1500	39.097	39.408	39.720	40.032	40.345	40.659	40.973	41.287	41.602	41.918	42.234
1600	42.234	42.550	42.867	43.185	43.502	43.821	44.139	44.459	44.778	45.098	45.418
1700	45.418	45.739	46.060	46.381	46.703	47.025	47.348	47.671	47.994	48.318	48.641
1800	48.641	48.966	49.290	49.615	49.940	50.265	50.591	50.917	51.243	51.570	51.897
1900	51.897	52.224	52.551	52.879	53.207	53.535	53.863	54.192	54.520	54.850	55.179
2000	55.179	55.508	55.838	56.168	56.498	56.829	57.159	57.490	57.821	58.152	58.483
2100	58.483	58.814	59.146	59.478	59.809	60.141	60.473	60.806	61.138	61.470	61.803
2200	61.803	62.135	62.468	62.800	63.133	63.466	63.798	64.131	64.464	64.796	65.129
2300	65.129	65.462	65.794	66.127	66.459	66.792	67.124	67.457	67.789	68.121	68.453
2400	68.453	68.785	69.117	69.449	69.781	70.113	70.445	70.777	71.109	71.441	71.773
2500	71.773	72.105	72.438	72.770	73.103	73.436	73.770	74.104			

Type Platinel II

Alloy 5355 vs Alloy 7674 ITS-90

Type R

Platinum vs. Platinum-13% Rodium ITS-90

Temperature conversion table for Alloy 5355 vs Alloy 7674 ITS-90, showing values from 0 to 1300 °C and 0 to 2500 °F.

Temperature conversion table for Alloy 5355 vs Alloy 7674 ITS-90, showing values from 0 to 2500 °F.

Temperature conversion table for Platinum vs. Platinum-13% Rodium ITS-90, showing values from 0 to 1700 °C and 0 to 3100 °F.

Temperature conversion table for Platinum vs. Platinum-13% Rodium ITS-90, showing values from 0 to 3100 °F.

# Technical Information

## Type S *Platinum vs. Platinum-10% Rhodium ITS-90*

°C	0	10	20	30	40	50	60	70	80	90	100
0	0.000	0.055	0.113	0.173	0.235	0.299	0.365	0.433	0.502	0.573	0.646
100	0.646	0.720	0.795	0.872	0.950	1.029	1.110	1.191	1.273	1.357	1.441
200	1.441	1.526	1.612	1.698	1.786	1.874	1.962	2.052	2.141	2.232	2.323
300	2.323	2.415	2.507	2.599	2.692	2.786	2.880	2.974	3.069	3.164	3.259
400	3.259	3.355	3.451	3.548	3.645	3.742	3.840	3.938	4.036	4.134	4.233
500	4.233	4.332	4.432	4.532	4.632	4.732	4.833	4.934	5.035	5.137	5.239
600	5.239	5.341	5.443	5.546	5.649	5.753	5.857	5.961	6.065	6.170	6.275
700	6.275	6.381	6.486	6.593	6.699	6.806	6.913	7.020	7.128	7.236	7.345
800	7.345	7.454	7.563	7.673	7.783	7.893	8.003	8.114	8.226	8.337	8.449
900	8.449	8.562	8.674	8.787	8.900	9.014	9.128	9.242	9.357	9.472	9.587
1000	9.587	9.703	9.819	9.935	10.051	10.168	10.285	10.403	10.520	10.638	10.757
1100	10.757	10.875	10.994	11.113	11.232	11.351	11.471	11.590	11.710	11.830	11.951
1200	11.951	12.071	12.191	12.312	12.433	12.554	12.675	12.796	12.917	13.038	13.159
1300	13.159	13.280	13.402	13.523	13.644	13.766	13.887	14.009	14.130	14.251	14.373
1400	14.373	14.494	14.615	14.736	14.857	14.978	15.099	15.220	15.341	15.461	15.582
1500	15.582	15.702	15.822	15.942	16.062	16.182	16.301	16.420	16.539	16.658	16.777
1600	16.777	16.895	17.013	17.131	17.249	17.366	17.483	17.600	17.717	17.832	17.947
1700	17.947	18.061	18.174	18.285	18.395	18.503	18.609				

°F	0	10	20	30	40	50	60	70	80	90	100
0	-0.092	-0.064	-0.035	-0.006	0.024	0.055	0.087	0.119	0.153	0.186	0.221
100	0.221	0.256	0.292	0.328	0.365	0.402	0.440	0.479	0.518	0.557	0.597
200	0.597	0.638	0.679	0.720	0.762	0.804	0.847	0.889	0.933	0.977	1.021
300	1.021	1.065	1.110	1.155	1.200	1.246	1.292	1.338	1.385	1.431	1.478
400	1.478	1.526	1.573	1.621	1.669	1.718	1.766	1.815	1.864	1.913	1.962
500	1.962	2.012	2.062	2.111	2.162	2.212	2.262	2.313	2.364	2.415	2.466
600	2.466	2.517	2.568	2.620	2.672	2.723	2.775	2.827	2.880	2.932	2.985
700	2.985	3.037	3.090	3.143	3.196	3.249	3.302	3.355	3.409	3.462	3.516
800	3.516	3.570	3.623	3.677	3.731	3.786	3.840	3.894	3.949	4.003	4.058
900	4.058	4.113	4.167	4.222	4.277	4.332	4.388	4.443	4.498	4.554	4.610
1000	4.610	4.665	4.721	4.777	4.833	4.889	4.945	5.001	5.058	5.114	5.171
1100	5.171	5.227	5.284	5.341	5.398	5.455	5.512	5.569	5.627	5.684	5.741
1200	5.741	5.799	5.857	5.915	5.972	6.030	6.089	6.147	6.205	6.264	6.322
1300	6.322	6.381	6.439	6.498	6.557	6.616	6.675	6.735	6.794	6.853	6.913
1400	6.913	6.973	7.032	7.092	7.152	7.212	7.273	7.333	7.393	7.454	7.514
1500	7.514	7.575	7.636	7.697	7.758	7.819	7.881	7.942	8.003	8.065	8.127
1600	8.127	8.189	8.250	8.312	8.375	8.437	8.499	8.562	8.624	8.687	8.749
1700	8.749	8.812	8.875	8.938	9.001	9.065	9.128	9.192	9.255	9.319	9.382
1800	9.382	9.446	9.510	9.574	9.638	9.703	9.767	9.831	9.896	9.961	10.025
1900	10.025	10.090	10.155	10.220	10.285	10.350	10.416	10.481	10.547	10.612	10.678
2000	10.678	10.743	10.809	10.875	10.941	11.007	11.073	11.139	11.205	11.272	11.338
2100	11.338	11.404	11.471	11.537	11.604	11.670	11.737	11.804	11.870	11.937	12.004
2200	12.004	12.071	12.138	12.205	12.272	12.339	12.406	12.473	12.540	12.607	12.675
2300	12.675	12.742	12.809	12.876	12.944	13.011	13.078	13.146	13.213	13.280	13.348
2400	13.348	13.415	13.483	13.550	13.617	13.685	13.752	13.820	13.887	13.955	14.022
2500	14.022	14.089	14.157	14.224	14.292	14.359	14.426	14.494	14.561	14.629	14.696
2600	14.696	14.763	14.830	14.898	14.965	15.032	15.099	15.166	15.233	15.300	15.367
2700	15.367	15.434	15.501	15.568	15.635	15.702	15.769	15.835	15.902	15.969	16.035
2800	16.035	16.102	16.168	16.235	16.301	16.367	16.434	16.500	16.566	16.632	16.698
2900	16.698	16.764	16.829	16.895	16.961	17.026	17.092	17.157	17.223	17.288	17.353
3000	17.353	17.418	17.483	17.548	17.613	17.678	17.742	17.807	17.871	17.935	17.998
3100	17.998	18.061	18.124	18.187	18.248	18.310	18.371	18.431	18.491	18.551	18.609
3200	18.609	18.667									

## Type T *Copper vs. Constantan ITS-90*

°C	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-200	-5.603	-5.753	-5.888	-6.007	-6.105	-6.180	-6.232	-6.258			
-100	-3.379	-3.657	-3.923	-4.177	-4.419	-4.648	-4.865	-5.070	-5.261	-5.439	-5.603
0	0.000	-0.383	-0.757	-1.121	-1.475	-1.819	-2.153	-2.476	-2.788	-3.089	-3.379

  

°C	0	10	20	30	40	50	60	70	80	90	100
0	0.000	0.391	0.790	1.196	1.612	2.036	2.468	2.909	3.358	3.814	4.279
100	4.279	4.750	5.228	5.714	6.206	6.704	7.209	7.720	8.237	8.759	9.288
200	9.288	9.822	10.362	10.907	11.458	12.013	12.574	13.139	13.709	14.283	14.862
300	14.862	15.445	16.032	16.624	17.219	17.819	18.422	19.030	19.641	20.255	20.872

  

°F	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-400	-6.105	-6.150	-6.187	-6.217	-6.240	-6.254					
-300	-5.341	-5.439	-5.532	-5.620	-5.705	-5.785	-5.860	-5.930	-5.994	-6.053	-6.105
-200	-4.149	-4.286	-4.419	-4.548	-4.673	-4.794	-4.912	-5.025	-5.135	-5.240	-5.341
-100	-2.581	-2.754	-2.923	-3.089	-3.251	-3.410	-3.565	-3.717	-3.865	-4.009	-4.149
0	-0.675	-0.879	-1.081	-1.279	-1.475	-1.667	-1.857	-2.043	-2.225	-2.405	-2.581

  

°F	0	10	20	30	40	50	60	70	80	90	100
0	-0.675	-0.467	-0.256	-0.043	0.173	0.391	0.611	0.834	1.060	1.288	1.519
100	1.519	1.752	1.988	2.227	2.468	2.712	2.958	3.207	3.459	3.712	3.968
200	3.968	4.227	4.487	4.750	5.015	5.282	5.551	5.823	6.096	6.371	6.648
300	6.648	6.928	7.209	7.492	7.777	8.064	8.352	8.643	8.935	9.229	9.525
400	9.525	9.822	10.122	10.423	10.725	11.029	11.335	11.643	11.951	12.262	12.574
500	12.574	12.887	13.202	13.518	13.836	14.155	14.476	14.797	15.121	15.445	15.771
600	15.771	16.098	16.426	16.756	17.086	17.418	17.752	18.086	18.422	18.759	19.097
700	19.097	19.437	19.777	20.118	20.460	20.803					



**Type Tungsten-3% Rhenium vs Tungsten-25% Rhenium ITS-90**

°C	0	10	20	30	40	50	60	70	80	90	100
0	0.000	0.098	0.200	0.305	0.415	0.528	0.645	0.765	0.888	1.015	1.145
100	1.145	1.278	1.415	1.554	1.696	1.841	1.988	2.138	2.290	2.445	2.603
200	2.603	2.762	2.924	3.088	3.253	3.421	3.591	3.762	3.936	4.111	4.287
300	4.287	4.465	4.645	4.826	5.009	5.192	5.378	5.564	5.752	5.940	6.130
400	6.130	6.321	6.513	6.706	6.899	7.094	7.289	7.485	7.682	7.880	8.078
500	8.078	8.277	8.476	8.676	8.877	9.078	9.279	9.481	9.683	9.885	10.088
600	10.088	10.291	10.494	10.698	10.901	11.105	11.309	11.512	11.716	11.921	12.125
700	12.125	12.329	12.533	12.737	12.942	13.146	13.351	13.555	13.760	13.965	14.170
800	14.170	14.375	14.580	14.784	14.989	15.193	15.398	15.602	15.805	16.009	16.212
900	16.212	16.415	16.618	16.821	17.023	17.225	17.427	17.628	17.829	18.029	18.230
1000	18.230	18.430	18.629	18.828	19.027	19.225	19.423	19.621	19.818	20.014	20.211
1100	20.211	20.406	20.602	20.797	20.991	21.185	21.379	21.572	21.765	21.957	22.149
1200	22.149	22.340	22.531	22.721	22.911	23.100	23.289	23.477	23.665	23.853	24.040
1300	24.040	24.226	24.412	24.598	24.783	24.967	25.151	25.335	25.517	25.700	25.882
1400	25.882	26.063	26.244	26.425	26.605	26.784	26.963	27.141	27.319	27.497	27.673
1500	27.673	27.850	28.026	28.201	28.375	28.550	28.723	28.896	29.069	29.241	29.412
1600	29.412	29.583	29.753	29.923	30.092	30.260	30.428	30.595	30.762	30.928	31.093
1700	31.093	31.258	31.422	31.586	31.749	31.911	32.072	32.233	32.393	32.553	32.712
1800	32.712	32.870	33.027	33.183	33.339	33.494	33.648	33.802	33.954	34.106	34.257
1900	34.257	34.407	34.556	34.705	34.852	34.999	35.144	35.289	35.433	35.575	35.717
2000	35.717	35.858	35.997	36.136	36.273	36.409	36.544	36.678	36.811	36.942	37.073
2100	37.073	37.202	37.329	37.456	37.580	37.704	37.826	37.947	38.066	38.183	38.299
2200	38.299	38.414	38.527	38.638	38.747	38.855	38.961	39.065	39.167	39.267	39.365

**Type Tungsten-3% Rhenium vs Tungsten-25% Rhenium ITS-90**

°F	0	10	20	30	40	50	60	70	80	90	100
0					0.043	0.098	0.154	0.211	0.270	0.329	0.390
100	0.390	0.452	0.515	0.579	0.645	0.711	0.778	0.847	0.916	0.987	1.058
200	1.058	1.131	1.204	1.278	1.354	1.430	1.507	1.585	1.664	1.744	1.824
300	1.824	1.906	1.988	2.071	2.155	2.239	2.325	2.411	2.497	2.585	2.673
400	2.673	2.762	2.852	2.942	3.033	3.124	3.216	3.309	3.402	3.496	3.591
500	3.591	3.686	3.781	3.878	3.974	4.071	4.169	4.267	4.366	4.465	4.565
600	4.565	4.665	4.766	4.866	4.968	5.070	5.172	5.275	5.378	5.481	5.585
700	5.585	5.689	5.793	5.898	6.003	6.109	6.215	6.321	6.427	6.534	6.641
800	6.641	6.749	6.856	6.964	7.072	7.181	7.289	7.398	7.507	7.617	7.726
900	7.726	7.836	7.946	8.056	8.167	8.277	8.388	8.499	8.610	8.721	8.832
1000	8.832	8.944	9.055	9.167	9.279	9.391	9.503	9.616	9.728	9.840	9.953
1100	9.953	10.066	10.178	10.291	10.404	10.517	10.630	10.743	10.856	10.969	11.082
1200	11.082	11.195	11.309	11.422	11.535	11.648	11.762	11.875	11.989	12.102	12.215
1300	12.215	12.329	12.442	12.556	12.669	12.783	12.896	13.010	13.123	13.237	13.351
1400	13.351	13.464	13.578	13.692	13.806	13.920	14.033	14.147	14.261	14.375	14.489
1500	14.489	14.603	14.716	14.830	14.944	15.057	15.171	15.284	15.398	15.511	15.624
1600	15.624	15.737	15.851	15.964	16.077	16.190	16.303	16.415	16.528	16.641	16.753
1700	16.753	16.866	16.978	17.090	17.203	17.315	17.427	17.538	17.650	17.762	17.873
1800	17.873	17.985	18.096	18.207	18.319	18.430	18.540	18.651	18.762	18.872	18.983
1900	18.983	19.093	19.203	19.313	19.423	19.533	19.643	19.752	19.861	19.971	20.080
2000	20.080	20.189	20.298	20.406	20.515	20.624	20.732	20.840	20.948	21.056	21.164
2100	21.164	21.271	21.379	21.486	21.593	21.700	21.807	21.914	22.021	22.127	22.234
2200	22.234	22.340	22.446	22.552	22.658	22.763	22.869	22.974	23.079	23.184	23.289
2300	23.289	23.394	23.498	23.603	23.707	23.811	23.915	24.019	24.123	24.226	24.330
2400	24.330	24.433	24.536	24.639	24.742	24.844	24.947	25.049	25.151	25.253	25.355
2500	25.355	25.457	25.558	25.659	25.761	25.862	25.963	26.063	26.164	26.264	26.365
2600	26.365	26.465	26.565	26.665	26.764	26.864	26.963	27.062	27.161	27.260	27.359
2700	27.359	27.457	27.556	27.654	27.752	27.850	27.947	28.045	28.142	28.240	28.337
2800	28.337	28.434	28.530	28.627	28.723	28.819	28.915	29.011	29.107	29.202	29.298
2900	29.298	29.393	29.488	29.583	29.677	29.772	29.866	29.960	30.054	30.148	30.241
3000	30.241	30.335	30.428	30.521	30.614	30.706	30.799	30.891	30.983	31.075	31.167
3100	31.167	31.258	31.349	31.440	31.531	31.622	31.713	31.803	31.893	31.983	32.072
3200	32.072	32.162	32.251	32.340	32.429	32.517	32.606	32.694	32.782	32.870	32.957
3300	32.957	33.044	33.131	33.218	33.305	33.391	33.477	33.563	33.648	33.734	33.819
3400	33.819	33.904	33.988	34.073	34.157	34.240	34.324	34.407	34.490	34.573	34.655
3500	34.655	34.738	34.820	34.901	34.983	35.064	35.144	35.225	35.305	35.385	35.464
3600	35.464	35.544	35.623	35.701	35.780	35.858	35.935	36.013	36.090	36.166	36.243
3700	36.243	36.319	36.394	36.469	36.544	36.619	36.693	36.767	36.840	36.913	36.986
3800	36.986	37.058	37.130	37.202	37.273	37.343	37.414	37.483	37.553	37.622	37.690
3900	37.690	37.758	37.826	37.893	37.960	38.026	38.092	38.157	38.222	38.287	38.351
4000	38.351	38.414	38.477	38.539	38.601	38.662	38.723	38.783	38.843	38.902	38.961
4100	38.961	39.019	39.076	39.133	39.189	39.245	39.300	39.354	39.408	39.461	39.514

# Technical Information

## Type Tungsten vs Tungsten-26% Rhenium ITS-90

°C	0	10	20	30	40	50	60	70	80	90	100
0	0.000	0.015	0.034	0.058	0.085	0.117	0.152	0.192	0.235	0.282	0.333
100	0.333	0.388	0.446	0.508	0.573	0.642	0.715	0.790	0.869	0.951	1.037
200	1.037	1.125	1.217	1.311	1.409	1.509	1.613	1.719	1.828	1.940	2.055
300	2.055	2.172	2.292	2.414	2.539	2.666	2.796	2.928	3.063	3.200	3.339
400	3.339	3.480	3.624	3.769	3.917	4.067	4.219	4.372	4.528	4.685	4.845
500	4.845	5.006	5.169	5.334	5.500	5.668	5.837	6.008	6.181	6.355	6.531
600	6.531	6.707	6.886	7.065	7.246	7.428	7.611	7.796	7.982	8.169	8.357
700	8.357	8.546	8.737	8.928	9.120	9.314	9.508	9.704	9.900	10.097	10.295
800	10.295	10.494	10.694	10.894	11.095	11.297	11.500	11.703	11.907	12.111	12.316
900	12.316	12.522	12.728	12.934	13.141	13.349	13.557	13.765	13.974	14.183	14.392
1000	14.392	14.602	14.812	15.022	15.232	15.443	15.654	15.865	16.076	16.287	16.498
1100	16.498	16.710	16.921	17.133	17.345	17.556	17.768	17.979	18.191	18.402	18.614
1200	18.614	18.825	19.036	19.247	19.458	19.669	19.880	20.090	20.300	20.510	20.720
1300	20.720	20.929	21.138	21.347	21.556	21.764	21.972	22.180	22.387	22.594	22.800
1400	22.800	23.006	23.212	23.417	23.622	23.826	24.030	24.234	24.437	24.639	24.841
1500	24.841	25.042	25.243	25.444	25.643	25.843	26.041	26.239	26.437	26.633	26.829
1600	26.829	27.025	27.220	27.414	27.607	27.800	27.992	28.184	28.374	28.564	28.753
1700	28.753	28.942	29.129	29.316	29.502	29.688	29.872	30.056	30.239	30.421	30.602
1800	30.602	30.782	30.962	31.140	31.318	31.495	31.671	31.846	32.020	32.193	32.365
1900	32.365	32.536	32.707	32.876	33.044	33.212	33.378	33.543	33.708	33.871	34.033
2000	34.033	34.195	34.355	34.514	34.672	34.829	34.985	35.140	35.294	35.447	35.598
2100	35.598	35.749	35.898	36.046	36.193	36.339	36.484	36.627	36.770	36.911	37.051
2200	37.051	37.189	37.327	37.463	37.598	37.732	37.864	37.995	38.125	38.253	38.380
2300	38.380	38.506									

## Type Tungsten vs Tungsten-26% Rhenium ITS-90

°F	0	10	20	30	40	50	60	70	80	90	100
0					0.006	0.015	0.025	0.037	0.049	0.063	0.079
100	0.079	0.095	0.113	0.132	0.152	0.174	0.196	0.220	0.245	0.272	0.299
200	0.299	0.327	0.357	0.388	0.420	0.453	0.487	0.522	0.559	0.596	0.634
300	0.634	0.674	0.715	0.756	0.799	0.842	0.887	0.933	0.979	1.027	1.076
400	1.076	1.125	1.176	1.227	1.279	1.333	1.387	1.442	1.498	1.555	1.613
500	1.613	1.672	1.731	1.792	1.853	1.915	1.978	2.042	2.106	2.172	2.238
600	2.238	2.305	2.373	2.442	2.511	2.581	2.652	2.724	2.796	2.869	2.943
700	2.943	3.018	3.093	3.169	3.246	3.323	3.401	3.480	3.560	3.640	3.721
800	3.721	3.802	3.884	3.967	4.050	4.134	4.219	4.304	4.389	4.476	4.563
900	4.563	4.650	4.738	4.827	4.916	5.006	5.096	5.187	5.278	5.370	5.463
1000	5.463	5.556	5.649	5.743	5.837	5.932	6.027	6.123	6.220	6.316	6.413
1100	6.413	6.511	6.609	6.707	6.806	6.905	7.005	7.105	7.206	7.306	7.408
1200	7.408	7.509	7.611	7.714	7.816	7.920	8.023	8.127	8.231	8.336	8.441
1300	8.441	8.546	8.652	8.758	8.864	8.971	9.078	9.185	9.292	9.400	9.508
1400	9.508	9.617	9.725	9.834	9.944	10.053	10.163	10.273	10.383	10.494	10.605
1500	10.605	10.716	10.827	10.939	11.051	11.162	11.275	11.387	11.500	11.612	11.725
1600	11.725	11.839	11.952	12.066	12.179	12.293	12.407	12.522	12.636	12.751	12.865
1700	12.865	12.980	13.095	13.210	13.326	13.441	13.557	13.672	13.788	13.904	14.020
1800	14.020	14.136	14.252	14.369	14.485	14.602	14.718	14.835	14.952	15.069	15.185
1900	15.185	15.302	15.419	15.536	15.654	15.771	15.888	16.005	16.123	16.240	16.357
2000	16.357	16.475	16.592	16.710	16.827	16.945	17.062	17.180	17.298	17.415	17.533
2100	17.533	17.650	17.768	17.885	18.003	18.120	18.238	18.355	18.473	18.590	18.708
2200	18.708	18.825	18.942	19.060	19.177	19.294	19.411	19.528	19.646	19.763	19.880
2300	19.880	19.996	20.113	20.230	20.347	20.463	20.580	20.696	20.813	20.929	21.045
2400	21.045	21.162	21.278	21.394	21.509	21.625	21.741	21.857	21.972	22.087	22.203
2500	22.203	22.318	22.433	22.548	22.663	22.777	22.892	23.006	23.121	23.235	23.349
2600	23.349	23.463	23.577	23.690	23.804	23.917	24.030	24.143	24.256	24.369	24.482
2700	24.482	24.594	24.707	24.819	24.931	25.042	25.154	25.266	25.377	25.488	25.599
2800	25.599	25.710	25.820	25.931	26.041	26.151	26.261	26.371	26.480	26.590	26.699
2900	26.699	26.808	26.916	27.025	27.133	27.241	27.349	27.457	27.564	27.672	27.779
3000	27.779	27.886	27.992	28.099	28.205	28.311	28.416	28.522	28.627	28.732	28.837
3100	28.837	28.942	29.046	29.150	29.254	29.358	29.461	29.564	29.667	29.770	29.872
3200	29.872	29.974	30.076	30.178	30.279	30.380	30.481	30.582	30.682	30.782	30.882
3300	30.882	30.982	31.081	31.180	31.279	31.377	31.475	31.573	31.671	31.768	31.865
3400	31.865	31.962	32.058	32.154	32.250	32.346	32.441	32.536	32.631	32.725	32.820
3500	32.820	32.913	33.007	33.100	33.193	33.286	33.378	33.470	33.562	33.653	33.744
3600	33.744	33.835	33.925	34.015	34.105	34.195	34.284	34.373	34.461	34.549	34.637
3700	34.637	34.725	34.812	34.899	34.985	35.072	35.157	35.243	35.328	35.413	35.497
3800	35.497	35.582	35.665	35.749	35.832	35.915	35.997	36.079	36.161	36.242	36.323
3900	36.323	36.404	36.484	36.564	36.643	36.722	36.801	36.880	36.958	37.035	37.113
4000	37.113	37.189	37.266	37.342	37.418	37.493	37.568	37.643	37.717	37.791	37.864
4100	37.864	37.937	38.009	38.082	38.153	38.225	38.296	38.366	38.436	38.506	38.575



**100Ω RTD**

**0.00385 Ω/Ω/°C ITS-90**

**100Ω RTD**

**0.003911 Ω/Ω/°C IPTS-68**

°C	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-100	60.26	56.19	52.11	48.00	43.88	39.72	35.54	31.34	27.10	22.83	18.52
0	100.00	96.09	92.16	88.22	84.27	80.31	76.33	72.33	68.33	64.30	60.26
°C	0	10	20	30	40	50	60	70	80	90	100
0	100.00	103.90	107.79	111.67	115.54	119.40	123.24	127.08	130.90	134.71	138.51
100	138.51	142.29	146.07	149.83	153.58	157.33	161.05	164.77	168.48	172.17	175.86
200	175.86	179.53	183.19	186.84	190.47	194.10	197.71	201.31	204.90	208.48	212.05
300	212.05	215.61	219.15	222.68	226.21	229.72	233.21	236.70	240.18	243.64	247.09
400	247.09	250.53	253.96	257.38	260.78	264.18	267.56	270.93	274.29	277.64	280.98
500	280.98	284.30	287.62	290.92	294.21	297.49	300.75	304.01	307.25	310.49	313.71
600	313.71	316.92	320.12	323.30	326.48	329.64					
°F	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-300	25.20	22.83	20.44								
-200	48.46	46.17	43.88	41.57	39.26	36.94	34.61	32.27	29.93	27.57	25.20
-100	71.00	68.77	66.54	64.30	62.06	59.81	57.55	55.29	53.02	50.74	48.46
0	93.03	90.85	88.66	86.47	84.27	82.07	79.86	77.66	75.44	73.22	71.00
°F	0	10	20	30	40	50	60	70	80	90	100
0	93.03	95.21	97.39	99.57	101.74	103.90	106.07	108.23	110.38	112.53	114.68
100	114.68	116.83	118.97	121.11	123.24	125.37	127.50	129.62	131.74	133.86	135.97
200	135.97	138.08	140.19	142.29	144.39	146.49	148.58	150.67	152.75	154.83	156.91
300	156.91	158.98	161.05	163.12	165.18	167.24	169.30	171.35	173.40	175.45	177.49
400	177.49	179.53	181.56	183.59	185.62	187.65	189.67	191.68	193.70	195.71	197.71
500	197.71	199.71	201.71	203.71	205.70	207.69	209.67	211.66	213.63	215.61	217.58
600	217.58	219.55	221.51	223.47	225.42	227.38	229.33	231.27	233.21	235.15	237.09
700	237.09	239.02	240.95	242.87	244.79	246.71	248.62	250.53	252.44	254.34	256.24
800	256.24	258.14	260.03	261.92	263.80	265.68	267.56	269.44	271.31	273.17	275.04
900	275.04	276.90	278.75	280.61	282.46	284.30	286.14	287.98	289.82	291.65	293.48
1000	293.48	295.30	297.12	298.94	300.75	302.56	304.37	306.17	307.97	309.77	311.56
1100	311.56	313.35	315.14	316.92	318.70	320.47	322.24	324.01	325.77	327.53	329.29

°C	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-100	59.64	55.51	51.37	47.20	43.01	38.79	34.54	30.27	25.97	21.63	17.26
0	100.00	96.03	92.04	88.04	84.03	80.00	75.96	71.91	67.83	63.75	59.64
°C	0	10	20	30	40	50	60	70	80	90	100
0	100.00	103.96	107.92	111.86	115.78	119.70	123.60	127.50	131.38	135.25	139.11
100	139.11	142.95	146.79	150.61	154.42	158.22	162.01	165.79	169.55	173.30	177.04
200	177.04	180.77	184.49	188.20	191.89	195.57	199.24	202.90	206.55	210.19	213.81
300	213.81	217.42	221.02	224.61	228.19	231.76	235.31	238.85	242.38	245.90	249.41
400	249.41	252.90	256.39	259.86	263.32	266.77	270.21	273.63	277.04	280.45	283.84
500	283.84	287.21	290.58	293.94	297.28	300.61	303.93	307.24	310.54	313.82	317.09
600	317.09	320.36	323.61	326.84	330.07	333.28					
°F	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
-300	24.04	21.63	19.21								
-200	47.66	45.34	43.01	40.67	38.32	35.96	33.60	31.22	28.84	26.45	24.04
-100	70.55	68.29	66.02	63.75	61.47	59.18	56.89	54.59	52.29	49.98	47.66
0	92.93	90.71	88.48	86.26	84.03	81.79	79.55	77.31	75.06	72.81	70.55
°F	0	10	20	30	40	50	60	70	80	90	100
0	92.93	95.14	97.35	99.56	101.76	103.96	106.16	108.35	110.54	112.73	114.91
100	114.91	117.09	119.27	121.44	123.61	125.77	127.93	130.09	132.24	134.39	136.54
200	136.54	138.68	140.82	142.95	145.08	147.21	149.34	151.46	153.58	155.69	157.80
300	157.80	159.91	162.01	164.11	166.20	168.30	170.38	172.47	174.55	176.63	178.70
400	178.70	180.77	182.84	184.90	186.96	189.02	191.07	193.12	195.16	197.21	199.24
500	199.24	201.28	203.31	205.34	207.36	209.38	211.40	213.41	215.42	217.42	219.42
600	219.42	221.42	223.42	225.41	227.40	229.38	231.36	233.34	235.31	237.28	239.24
700	239.24	241.21	243.17	245.12	247.07	249.02	250.96	252.90	254.84	256.77	258.70
800	258.70	260.63	262.55	264.47	266.39	268.30	270.21	272.11	274.01	275.91	277.80
900	277.80	279.69	281.58	283.46	285.34	287.21	289.09	290.95	292.82	294.68	296.54
1000	296.54	298.39	300.24	302.09	303.93	305.77	307.61	309.44	311.27	313.09	314.91
1100	314.91	316.73	318.55	320.36	322.16	323.97	325.77	327.56	329.35	331.14	332.93

## SUPPLEMENTAL INFORMATION SPECIAL SENSORS

Barber-Colman Company  
 1354 Clifford Ave., P. O. Box 2940  
 Loves Park, IL U.S.A. 61132-2950

PH: 800-232-4343 Fax: 815-637-5341

Date \_\_\_\_\_  
 Rep./Dist. \_\_\_\_\_  
 Customer \_\_\_\_\_

**DESCRIPTION** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**APPLICATION** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### SPECIFICATIONS

**Calibration:** T/C Type \_\_\_\_\_ Gauge \_\_\_\_\_ Solid \_\_\_\_\_ Stranded \_\_\_\_\_  
 Mgo \_\_\_\_\_ RTD: \_\_\_\_\_ ohms TCR \_\_\_\_\_ ohm/ohm/°C \_\_\_\_\_ 2 wire \_\_\_\_\_ 3 wire \_\_\_\_\_  
 Other \_\_\_\_\_

**Insulation Material:** Muiltie \_\_\_\_\_ Aluminum Oxide \_\_\_\_\_ Fiberglass \_\_\_\_\_ Ceramic Fiber \_\_\_\_\_ Nylon \_\_\_\_\_ Teflon \_\_\_\_\_  
 S. S. Overbraid \_\_\_\_\_ Other \_\_\_\_\_

**Lead Wire:** Wire part no. or description \_\_\_\_\_

**Protection Tube:** Material or Code \_\_\_\_\_ O.D. or NPT \_\_\_\_\_ Length \_\_\_\_\_

**Connection Device:** Head \_\_\_\_\_ Plug \_\_\_\_\_ Jack \_\_\_\_\_ Lugs \_\_\_\_\_

Other \_\_\_\_\_

**Mounting Device:** Flange \_\_\_\_\_ Sleeve \_\_\_\_\_ Bushing \_\_\_\_\_ Nipple \_\_\_\_\_ Other \_\_\_\_\_

**Environmental:** Operating Temperature: Maximum \_\_\_\_\_ °F Normal \_\_\_\_\_ °F

Atmosphere or Media: Oxidizing \_\_\_\_\_ Inert \_\_\_\_\_ Reducing \_\_\_\_\_ Vacuum \_\_\_\_\_ Other \_\_\_\_\_

Press. Range \_\_\_\_\_ psi Vibration \_\_\_\_\_ Shock \_\_\_\_\_

**Ordering Information:** Quantities \_\_\_\_\_ Annual usage \_\_\_\_\_ Delivery Required \_\_\_\_\_

Similar to catalog number \_\_\_\_\_

*Make a sketch showing details and dimensions. Include component part numbers where possible.*


Technical Information