

附录

附录一 常用热电偶分度表（ITS-90）

表 1 铂铑₁₀-铂热电偶分度表

表 2 镍铬-镍硅热电偶分度表

表 3 镍铬-康铜热电偶分度表

附录二 常用热电阻分度表

表 1 工业用铂热电阻分度表

表 2 工业用铜热电阻分度表

附录一 常用热电偶分度表 (ITS-90)

表 1 铂佬₁₀-铂热电偶分度表

分度号: S

参考温度: 0℃

t/℃	0	-1	-2	-3	-4	-5	-6	-7	-8	-9
	E/mV									
-50	-0.236									
-40	-0.194	-0.199	-0.203	-0.207	-0.211	-0.215	-0.219	-0.224	-0.228	-0.232
-30	-0.150	-0.155	-0.159	-0.164	-0.168	-0.173	-0.177	-0.181	-0.186	-0.190
-20	-0.103	-0.108	-0.113	-0.117	-0.122	-0.127	-0.132	-0.136	-0.141	-0.146
-10	-0.053	-0.058	-0.063	-0.068	-0.073	-0.078	-0.083	-0.088	-0.093	-0.098
0	0.000	-0.005	-0.011	-0.016	-0.021	-0.027	-0.032	-0.037	-0.042	-0.048
t/℃	0	1	2	3	4	5	6	7	8	9
	E/mV									
0	0.000	0.005	0.011	0.016	0.022	0.027	0.033	0.038	0.044	0.050
10	0.055	0.061	0.067	0.072	0.078	0.084	0.090	0.095	0.101	0.107
20	0.113	0.119	0.125	0.131	0.137	0.143	0.149	0.155	0.161	0.167
30	0.173	0.179	0.185	0.191	0.197	0.204	0.210	0.216	0.222	0.229
40	0.235	0.241	0.248	0.254	0.260	0.267	0.273	0.280	0.286	0.292
50	0.299	0.305	0.312	0.319	0.325	0.332	0.338	0.345	0.352	0.358
60	0.365	0.372	0.378	0.385	0.392	0.399	0.405	0.412	0.419	0.426
70	0.433	0.440	0.446	0.453	0.460	0.467	0.474	0.481	0.488	0.495
80	0.502	0.509	0.516	0.523	0.530	0.538	0.545	0.552	0.559	0.566
90	0.573	0.580	0.588	0.595	0.602	0.609	0.617	0.624	0.631	0.639
100	0.646	0.653	0.661	0.668	0.675	0.683	0.690	0.698	0.705	0.713
110	0.720	0.727	0.735	0.743	0.750	0.758	0.765	0.773	0.780	0.788
120	0.795	0.803	0.811	0.818	0.826	0.834	0.841	0.849	0.857	0.865
130	0.872	0.880	0.888	0.896	0.903	0.911	0.919	0.927	0.935	0.942
140	0.950	0.958	0.966	0.974	0.982	0.990	0.998	1.006	1.013	1.021
150	1.029	1.037	1.045	1.053	1.061	1.069	1.077	1.085	1.094	1.102
160	1.110	1.118	1.126	1.134	1.142	1.150	1.158	1.167	1.175	1.183
170	1.191	1.199	1.207	1.216	1.224	1.232	1.240	1.249	1.257	1.265
180	1.273	1.282	1.290	1.298	1.307	1.315	1.323	1.332	1.340	1.348
190	1.357	1.365	1.373	1.382	1.390	1.399	1.407	1.415	1.424	1.432
200	1.441	1.449	1.458	1.466	1.475	1.483	1.492	1.500	1.509	1.517
210	1.526	1.534	1.543	1.551	1.560	1.569	1.577	1.586	1.594	1.603
220	1.612	1.620	1.629	1.638	1.646	1.655	1.663	1.672	1.681	1.690
230	1.698	1.707	1.716	1.724	1.733	1.742	1.751	1.759	1.768	1.777
240	1.786	1.794	1.803	1.812	1.821	1.829	1.838	1.847	1.856	1.865
250	1.874	1.882	1.891	1.900	1.909	1.918	1.927	1.936	1.944	1.953
260	1.962	1.971	1.980	1.989	1.998	2.007	2.016	2.025	2.034	2.043
270	2.052	2.061	2.070	2.078	2.087	2.096	2.105	2.114	2.123	2.132
280	2.141	2.151	2.160	2.169	2.178	2.187	2.196	2.205	2.214	2.223
290	2.232	2.241	2.250	2.259	2.268	2.277	2.287	2.296	2.305	2.314
300	2.323	2.332	2.341	2.350	2.360	2.369	2.378	2.387	2.396	2.405
310	2.415	2.424	2.433	2.442	2.451	2.461	2.470	2.479	2.488	2.497
320	2.507	2.516	2.525	2.534	2.544	2.553	2.562	2.571	2.581	2.590
330	2.599	2.609	2.618	2.627	2.636	2.646	2.655	2.664	2.674	2.683
340	2.692	2.702	2.711	2.720	2.730	2.739	2.748	2.758	2.767	2.776
350	2.786	2.795	2.805	2.814	2.823	2.833	2.842	2.851	2.861	2.870
360	2.880	2.889	2.899	2.908	2.917	2.927	2.936	2.946	2.955	2.965
370	2.974	2.983	2.993	3.002	3.012	3.021	3.031	3.040	3.050	3.059
380	3.069	3.078	3.088	3.097	3.107	3.116	3.126	3.135	3.145	3.154
390	3.164	3.173	3.183	3.192	3.202	3.212	3.221	3.231	3.240	3.250

续表1

$t/^{\circ}\text{C}$	0	1	2	3	4	5	6	7	8	9
	E/mV									
400	3.259	3.269	3.279	3.288	3.298	3.307	3.317	3.326	3.336	3.346
410	3.355	3.365	3.374	3.384	3.394	3.403	3.413	3.423	3.432	3.442
420	3.451	3.461	3.471	3.480	3.490	3.500	3.509	3.519	3.529	3.538
430	3.548	3.558	3.567	3.577	3.587	3.596	3.606	3.616	3.626	3.635
440	3.645	3.655	3.664	3.674	3.684	3.694	3.703	3.713	3.723	3.732
450	3.742	3.752	3.762	3.771	3.781	3.791	3.801	3.810	3.820	3.830
460	3.840	3.850	3.859	3.869	3.879	3.889	3.898	3.908	3.918	3.928
470	3.938	3.947	3.957	3.967	3.977	3.987	3.997	4.006	4.016	4.026
480	4.036	4.046	4.056	4.065	4.075	4.085	4.095	4.105	4.115	4.125
490	4.134	4.144	4.154	4.164	4.174	4.184	4.194	4.204	4.213	4.223
500	4.233	4.243	4.253	4.263	4.273	4.283	4.293	4.303	4.313	4.323
510	4.332	4.342	4.352	4.362	4.372	4.382	4.392	4.402	4.412	4.422
520	4.432	4.442	4.452	4.462	4.472	4.482	4.492	4.502	4.512	4.522
530	4.532	4.542	4.552	4.562	4.572	4.582	4.592	4.602	4.612	4.622
540	4.632	4.642	4.652	4.662	4.672	4.682	4.692	4.702	4.712	4.722
550	4.732	4.742	4.752	4.762	4.772	4.782	4.793	4.803	4.813	4.823
560	4.833	4.843	4.853	4.863	4.873	4.883	4.893	4.904	4.914	4.924
570	4.934	4.944	4.954	4.964	4.974	4.984	4.995	5.005	5.015	5.025
580	5.035	5.045	5.055	5.066	5.076	5.086	5.096	5.106	5.116	5.127
590	5.137	5.147	5.157	5.167	5.178	5.188	5.198	5.208	5.218	5.228
600	5.239	5.249	5.259	5.269	5.280	5.290	5.300	5.310	5.320	5.331
610	5.341	5.351	5.361	5.372	5.382	5.392	5.402	5.413	5.423	5.433
620	5.443	5.454	5.464	5.474	5.485	5.495	5.505	5.515	5.526	5.536
630	5.546	5.557	5.567	5.577	5.588	5.598	5.608	5.618	5.629	5.639
640	5.649	5.660	5.670	5.680	5.691	5.701	5.712	5.722	5.732	5.743
650	5.753	5.763	5.774	5.784	5.794	5.805	5.815	5.826	5.836	5.846
660	5.857	5.867	5.878	5.888	5.898	5.909	5.919	5.930	5.940	5.950
670	5.961	5.971	5.982	5.992	6.003	6.013	6.024	6.034	6.044	6.055
680	6.065	6.076	6.086	6.097	6.107	6.118	6.128	6.139	6.149	6.160
690	6.170	6.181	6.191	6.202	6.212	6.223	6.233	6.244	6.254	6.265
700	6.275	6.286	6.296	6.307	6.317	6.328	6.338	6.349	6.360	6.370
710	6.381	6.391	6.402	6.412	6.423	6.434	6.444	6.455	6.465	6.476
720	6.486	6.497	6.508	6.518	6.529	6.539	6.550	6.561	6.571	6.582
730	6.593	6.603	6.614	6.624	6.635	6.646	6.656	6.667	6.678	6.688
740	6.699	6.710	6.720	6.731	6.742	6.752	6.763	6.774	6.784	6.795
750	6.806	6.817	6.827	6.838	6.849	6.859	6.870	6.881	6.892	6.902
760	6.913	6.924	6.934	6.945	6.956	6.967	6.977	6.988	6.999	7.010
770	7.020	7.031	7.042	7.053	7.064	7.074	7.085	7.096	7.107	7.117
780	7.128	7.139	7.150	7.161	7.172	7.182	7.193	7.204	7.215	7.226
790	7.236	7.247	7.258	7.269	7.280	7.291	7.302	7.312	7.323	7.334
800	7.345	7.356	7.367	7.378	7.388	7.399	7.410	7.421	7.432	7.443
810	7.454	7.465	7.476	7.487	7.497	7.508	7.519	7.530	7.541	7.552
820	7.563	7.574	7.585	7.596	7.607	7.618	7.629	7.640	7.651	7.662
830	7.673	7.684	7.695	7.706	7.717	7.728	7.739	7.750	7.761	7.772
840	7.783	7.794	7.805	7.816	7.827	7.838	7.849	7.860	7.871	7.882
850	7.893	7.904	7.915	7.926	7.937	7.948	7.959	7.970	7.981	7.992
860	8.003	8.014	8.026	8.037	8.048	8.059	8.070	8.081	8.092	8.103
870	8.114	8.125	8.137	8.148	8.159	8.170	8.181	8.192	8.203	8.214
880	8.226	8.237	8.248	8.259	8.270	8.281	8.293	8.304	8.315	8.326
890	8.337	8.348	8.360	8.371	8.382	8.393	8.404	8.416	8.427	8.438
900	8.449	8.460	8.472	8.483	8.494	8.505	8.517	8.528	8.539	8.550
910	8.562	8.573	8.584	8.595	8.607	8.618	8.629	8.640	8.652	8.663
920	8.674	8.685	8.697	8.708	8.719	8.731	8.742	8.753	8.765	8.776
930	8.787	8.798	8.810	8.821	8.832	8.844	8.855	8.866	8.878	8.889
940	8.900	8.912	8.923	8.935	8.946	8.957	8.969	8.980	8.991	9.003

续表1

t/℃	0	1	2	3	4	5	6	7	8	9
	E/mV									
950	9.014	9.025	9.037	9.048	9.060	9.071	9.082	9.094	9.105	9.117
960	9.128	9.139	9.151	9.162	9.174	9.185	9.197	9.208	9.219	9.231
970	9.242	9.254	9.265	9.277	9.288	9.300	9.311	9.323	9.334	9.345
980	9.357	9.368	9.380	9.391	9.403	9.414	9.426	9.437	9.449	9.460
990	9.472	9.483	9.495	9.506	9.518	9.529	9.541	9.552	9.564	9.576
1000	9.587	9.599	9.610	9.622	9.633	9.645	9.656	9.668	9.680	9.691
1010	9.703	9.714	9.726	9.737	9.749	9.761	9.772	9.784	9.795	9.807
1020	9.819	9.830	9.842	9.853	9.865	9.877	9.888	9.900	9.911	9.923
1030	9.935	9.946	9.958	9.970	9.981	9.993	10.005	10.016	10.028	10.040
1040	10.051	10.063	10.075	10.086	10.098	10.110	10.121	10.133	10.145	10.156
1050	10.168	10.180	10.191	10.203	10.215	10.227	10.238	10.250	10.262	10.273
1060	10.285	10.297	10.309	10.320	10.332	10.344	10.356	10.367	10.379	10.391
1070	10.403	10.414	10.426	10.438	10.450	10.461	10.473	10.485	10.497	10.509
1080	10.520	10.532	10.544	10.556	10.567	10.579	10.591	10.603	10.615	10.626
1090	10.638	10.650	10.662	10.674	10.686	10.697	10.709	10.721	10.733	10.745
1100	10.757	10.768	10.780	10.792	10.804	10.816	10.828	10.839	10.851	10.863
1110	10.875	10.887	10.899	10.911	10.922	10.934	10.946	10.958	10.970	10.982
1120	10.994	11.006	11.017	11.029	11.041	11.053	11.065	11.077	11.089	11.101
1130	11.113	11.125	11.136	11.148	11.160	11.172	11.184	11.196	11.208	11.220
1140	11.232	11.244	11.256	11.268	11.280	11.291	11.303	11.315	11.327	11.339
1150	11.351	11.363	11.375	11.387	11.399	11.411	11.423	11.435	11.447	11.459
1160	11.471	11.483	11.495	11.507	11.519	11.531	11.542	11.554	11.566	11.578
1170	11.590	11.602	11.614	11.626	11.638	11.650	11.662	11.674	11.686	11.698
1180	11.710	11.722	11.734	11.746	11.758	11.770	11.782	11.794	11.806	11.818
1190	11.830	11.842	11.854	11.866	11.878	11.890	11.902	11.914	11.926	11.939
1200	11.951	11.963	11.975	11.987	11.999	12.011	12.023	12.035	12.047	12.059
1210	12.071	12.083	12.095	12.107	12.119	12.131	12.143	12.155	12.167	12.179
1220	12.191	12.203	12.216	12.228	12.240	12.252	12.264	12.276	12.288	12.300
1230	12.312	12.324	12.336	12.348	12.360	12.372	12.384	12.397	12.409	12.421
1240	12.433	12.445	12.457	12.469	12.481	12.493	12.505	12.517	12.529	12.542
1250	12.554	12.566	12.578	12.590	12.602	12.614	12.626	12.638	12.650	12.662
1260	12.675	12.687	12.699	12.711	12.723	12.735	12.747	12.759	12.771	12.783
1270	12.796	12.808	12.820	12.832	12.844	12.856	12.868	12.880	12.892	12.905
1280	12.917	12.929	12.941	12.953	12.965	12.977	12.989	13.001	13.014	13.026
1290	13.038	13.050	13.062	13.074	13.086	13.098	13.111	13.123	13.135	13.147
1300	13.159	13.171	13.183	13.195	13.208	13.220	13.232	13.244	13.256	13.268
1310	13.280	13.292	13.305	13.317	13.329	13.341	13.353	13.365	13.377	13.390
1320	13.402	13.414	13.426	13.438	13.450	13.462	13.474	13.487	13.499	13.511
1330	13.523	13.535	13.547	13.559	13.572	13.584	13.596	13.608	13.620	13.632
1340	13.644	13.657	13.669	13.681	13.693	13.705	13.717	13.729	13.742	13.754
1350	13.766	13.778	13.790	13.802	13.814	13.826	13.839	13.851	13.863	13.875
1360	13.887	13.899	13.911	13.924	13.936	13.948	13.960	13.972	13.984	13.996
1370	14.009	14.021	14.033	14.045	14.057	14.069	14.081	14.094	14.106	14.118
1380	14.130	14.142	14.154	14.166	14.178	14.191	14.203	14.215	14.227	14.239
1390	14.251	14.263	14.276	14.288	14.300	14.312	14.324	14.336	14.348	14.360
1400	14.373	14.385	14.397	14.409	14.421	14.433	14.445	14.457	14.470	14.482
1410	14.494	14.506	14.518	14.530	14.542	14.554	14.567	14.579	14.591	14.603
1420	14.615	14.627	14.639	14.651	14.664	14.676	14.688	14.700	14.712	14.724
1430	14.736	14.748	14.760	14.773	14.785	14.797	14.809	14.821	14.833	14.845
1440	14.857	14.869	14.881	14.894	14.906	14.918	14.930	14.942	14.954	14.966
1450	14.978	14.990	15.002	15.015	15.027	15.039	15.051	15.063	15.075	15.087
1460	15.099	15.111	15.123	15.135	15.148	15.160	15.172	15.184	15.196	15.208
1470	15.220	15.232	15.244	15.256	15.268	15.280	15.292	15.304	15.317	15.329
1480	15.341	15.353	15.365	15.377	15.389	15.401	15.413	15.425	15.437	15.449
1490	15.461	15.473	15.485	15.497	15.509	15.521	15.534	15.546	15.558	15.570

续表1

$t/^{\circ}\text{C}$	0	1	2	3	4	5	6	7	8	9
	E/mV									
1500	15.582	15.594	15.606	15.618	15.630	15.642	15.654	15.666	15.678	15.690
1510	15.702	15.714	15.726	15.738	15.750	15.762	15.774	15.786	15.798	15.810
1520	15.822	15.834	15.846	15.858	15.870	15.882	15.894	15.906	15.918	15.930
1530	15.942	15.954	15.966	15.978	15.990	16.002	16.014	16.026	16.038	16.050
1540	16.062	16.074	16.086	16.098	16.110	16.122	16.134	16.146	16.158	16.170
1550	16.182	16.194	16.205	16.217	16.229	16.241	16.253	16.265	16.277	16.289
1560	16.301	16.313	16.325	16.337	16.349	16.361	16.373	16.385	16.396	16.408
1570	16.420	16.432	16.444	16.456	16.468	16.480	16.492	16.504	16.516	16.527
1580	16.539	16.551	16.563	16.575	16.587	16.599	16.611	16.623	16.634	16.646
1590	16.658	16.670	16.682	16.694	16.706	16.718	16.729	16.741	16.753	16.765
1600	16.777	16.789	16.801	16.812	16.824	16.836	16.848	16.860	16.872	16.883
1610	16.895	16.907	16.919	16.931	16.943	16.954	16.966	16.978	16.990	17.002
1620	17.013	17.025	17.037	17.049	17.061	17.072	17.084	17.096	17.108	17.120
1630	17.131	17.143	17.155	17.167	17.178	17.190	17.202	17.214	17.225	17.237
1640	17.249	17.261	17.272	17.284	17.296	17.308	17.319	17.331	17.343	17.355
1650	17.366	17.378	17.390	17.401	17.413	17.425	17.437	17.448	17.460	17.472
1660	17.483	17.495	17.507	17.518	17.530	17.542	17.553	17.565	17.577	17.588
1670	17.600	17.612	17.623	17.635	17.647	17.658	17.670	17.682	17.693	17.705
1680	17.717	17.728	17.740	17.751	17.763	17.775	17.786	17.798	17.809	17.821
1690	17.832	17.844	17.855	17.867	17.878	17.890	17.901	17.913	17.924	17.936
1700	17.947	17.959	17.970	17.982	17.993	18.004	18.016	18.027	18.039	18.050
1710	18.061	18.073	18.084	18.095	18.107	18.118	18.129	18.140	18.152	18.163
1720	18.174	18.185	18.196	18.208	18.219	18.230	18.241	18.252	18.263	18.274
1730	18.285	18.297	18.308	18.319	18.330	18.341	18.352	18.362	18.373	18.384
1740	18.395	18.406	18.417	18.428	18.439	18.449	18.460	18.471	18.482	18.493
1750	18.503	18.514	18.525	18.535	18.546	18.557	18.567	18.578	18.588	18.599
1760	18.609	18.620	18.630	18.641	18.651	18.661	18.672	18.682	18.693	—

表 2 镍铬-镍硅热电偶分度表

分度号: K

参考温度: 0°C

$t/^{\circ}\text{C}$	0	-1	-2	-3	-4	-5	-6	-7	-8	-9
	E/mV									
-260	-6.441	-6.444	-6.446	-6.448	-6.450	-6.452	-6.453	-6.455	-6.456	-6.457
-250	-6.404	-6.408	-6.413	-6.417	-6.421	-6.425	-6.429	-6.432	-6.435	-6.438
-240	-6.344	-6.351	-6.358	-6.364	-6.370	-6.377	-6.382	-6.388	-6.393	-6.399
-230	-6.262	-6.271	-6.280	-6.289	-6.297	-6.306	-6.314	-6.322	-6.329	-6.337
-220	-6.158	-6.170	-6.181	-6.192	-6.202	-6.213	-6.223	-6.233	-6.243	-6.252
-210	-6.035	-6.048	-6.061	-6.074	-6.087	-6.099	-6.111	-6.123	-6.135	-6.147
-200	-5.891	-5.907	-5.922	-5.936	-5.951	-5.965	-5.980	-5.994	-6.007	-6.021
-190	-5.730	-5.747	-5.763	-5.780	-5.797	-5.813	-5.829	-5.845	-5.861	-5.876
-180	-5.550	-5.569	-5.588	-5.606	-5.624	-5.642	-5.660	-5.678	-5.695	-5.713
-170	-5.354	-5.374	-5.395	-5.415	-5.435	-5.454	-5.474	-5.493	-5.512	-5.531
-160	-5.141	-5.163	-5.185	-5.207	-5.228	-5.250	-5.271	-5.292	-5.313	-5.333
-150	-4.913	-4.936	-4.960	-4.983	-5.006	-5.029	-5.052	-5.074	-5.097	-5.119
-140	-4.669	-4.694	-4.719	-4.744	-4.768	-4.793	-4.817	-4.841	-4.865	-4.889
-130	-4.411	-4.437	-4.463	-4.490	-4.516	-4.542	-4.567	-4.593	-4.618	-4.644
-120	-4.138	-4.166	-4.194	-4.221	-4.249	-4.276	-4.303	-4.330	-4.357	-4.384
-110	-3.852	-3.882	-3.911	-3.939	-3.968	-3.997	-4.025	-4.054	-4.082	-4.110
-100	-3.554	-3.584	-3.614	-3.645	-3.675	-3.705	-3.734	-3.764	-3.794	-3.823
-90	-3.243	-3.274	-3.306	-3.337	-3.368	-3.400	-3.431	-3.462	-3.492	-3.523
-80	-2.920	-2.953	-2.986	-3.018	-3.050	-3.083	-3.115	-3.147	-3.179	-3.211
-70	-2.587	-2.620	-2.654	-2.688	-2.721	-2.755	-2.788	-2.821	-2.854	-2.887
-60	-2.243	-2.278	-2.312	-2.347	-2.382	-2.416	-2.450	-2.485	-2.519	-2.553
-50	-1.889	-1.925	-1.961	-1.996	-2.032	-2.067	-2.103	-2.138	-2.173	-2.208
-40	-1.527	-1.564	-1.600	-1.637	-1.673	-1.709	-1.745	-1.782	-1.818	-1.854
-30	-1.156	-1.194	-1.231	-1.268	-1.305	-1.343	-1.380	-1.417	-1.453	-1.490
-20	-0.778	-0.816	-0.854	-0.892	-0.930	-0.968	-1.006	-1.043	-1.081	-1.119
-10	-0.392	-0.431	-0.470	-0.508	-0.547	-0.586	-0.624	-0.663	-0.701	-0.739
0	0.000	-0.039	-0.079	-0.118	-0.157	-0.197	-0.236	-0.275	-0.314	-0.353

续表2

t/°C	0	1	2	3	4	5	6	7	8	9
	E/mV									
0	0.000	0.039	0.079	0.119	0.158	0.198	0.238	0.277	0.317	0.357
10	0.397	0.437	0.477	0.517	0.557	0.597	0.637	0.677	0.718	0.758
20	0.798	0.838	0.879	0.919	0.960	1.000	1.041	1.081	1.122	1.163
30	1.203	1.244	1.285	1.326	1.366	1.407	1.448	1.489	1.530	1.571
40	1.612	1.653	1.694	1.735	1.776	1.817	1.858	1.899	1.941	1.982
50	2.023	2.064	2.106	2.147	2.188	2.230	2.271	2.312	2.354	2.395
60	2.436	2.478	2.519	2.561	2.602	2.644	2.685	2.727	2.768	2.810
70	2.851	2.893	2.934	2.976	3.017	3.059	3.100	3.142	3.184	3.225
80	3.267	3.308	3.350	3.391	3.433	3.474	3.516	3.557	3.599	3.640
90	3.682	3.723	3.765	3.806	3.848	3.889	3.931	3.972	4.013	4.055
100	4.096	4.138	4.179	4.220	4.262	4.303	4.344	4.385	4.427	4.468
110	4.509	4.550	4.591	4.633	4.674	4.715	4.756	4.797	4.838	4.879
120	4.920	4.961	5.002	5.043	5.084	5.124	5.165	5.206	5.247	5.288
130	5.328	5.369	5.410	5.450	5.491	5.532	5.572	5.613	5.653	5.694
140	5.735	5.775	5.815	5.856	5.896	5.937	5.977	6.017	6.058	6.098
150	6.138	6.179	6.219	6.259	6.299	6.339	6.380	6.420	6.460	6.500
160	6.540	6.580	6.620	6.660	6.701	6.741	6.781	6.821	6.861	6.901
170	6.941	6.981	7.021	7.060	7.100	7.140	7.180	7.220	7.260	7.300
180	7.340	7.380	7.420	7.460	7.500	7.540	7.579	7.619	7.659	7.699
190	7.739	7.779	7.819	7.859	7.899	7.939	7.979	8.019	8.059	8.099
200	8.138	8.178	8.218	8.258	8.298	8.338	8.378	8.418	8.458	8.499
210	8.539	8.579	8.619	8.659	8.699	8.739	8.779	8.819	8.860	8.900
220	8.940	8.980	9.020	9.061	9.101	9.141	9.181	9.222	9.262	9.302
230	9.343	9.383	9.423	9.464	9.504	9.545	9.585	9.626	9.666	9.707
240	9.747	9.788	9.828	9.869	9.909	9.950	9.991	10.031	10.072	10.113
250	10.153	10.194	10.235	10.276	10.316	10.357	10.398	10.439	10.480	10.520
260	10.561	10.602	10.643	10.684	10.725	10.766	10.807	10.848	10.889	10.930
270	10.971	11.012	11.053	11.094	11.135	11.176	11.217	11.259	11.300	11.341
280	11.382	11.423	11.465	11.506	11.547	11.588	11.630	11.671	11.712	11.753
290	11.795	11.836	11.877	11.919	11.960	12.001	12.043	12.084	12.126	12.167
300	12.209	12.250	12.291	12.333	12.374	12.416	12.457	12.499	12.540	12.582
310	12.624	12.665	12.707	12.748	12.790	12.831	12.873	12.915	12.956	12.998
320	13.040	13.081	13.123	13.165	13.206	13.248	13.290	13.331	13.373	13.415
330	13.457	13.498	13.540	13.582	13.624	13.665	13.707	13.749	13.791	13.833
340	13.874	13.916	13.958	14.000	14.042	14.084	14.126	14.167	14.209	14.251
350	14.293	14.335	14.377	14.419	14.461	14.503	14.545	14.587	14.629	14.671
360	14.713	14.755	14.797	14.839	14.881	14.923	14.965	15.007	15.049	15.091
370	15.133	15.175	15.217	15.259	15.301	15.343	15.385	15.427	15.469	15.511
380	15.554	15.596	15.638	15.680	15.722	15.764	15.806	15.849	15.891	15.933
390	15.975	16.017	16.059	16.102	16.144	16.186	16.228	16.270	16.313	16.355
400	16.397	16.439	16.482	16.524	16.566	16.608	16.651	16.693	16.735	16.778
410	16.820	16.862	16.904	16.947	16.989	17.031	17.074	17.116	17.158	17.201
420	17.243	17.285	17.328	17.370	17.413	17.455	17.497	17.540	17.582	17.624
430	17.667	17.709	17.752	17.794	17.837	17.879	17.921	17.964	18.006	18.049
440	18.091	18.134	18.176	18.218	18.261	18.303	18.346	18.388	18.431	18.473
450	18.516	18.558	18.601	18.643	18.686	18.728	18.771	18.813	18.856	18.898
460	18.941	18.983	19.026	19.068	19.111	19.154	19.196	19.239	19.281	19.324
470	19.366	19.409	19.451	19.494	19.537	19.579	19.622	19.664	19.707	19.750
480	19.792	19.835	19.877	19.920	19.962	20.005	20.048	20.090	20.133	20.175
490	20.218	20.261	20.303	20.346	20.389	20.431	20.474	20.516	20.559	20.602
500	20.644	20.687	20.730	20.772	20.815	20.857	20.900	20.943	20.985	21.028
510	21.071	21.113	21.156	21.199	21.241	21.284	21.326	21.369	21.412	21.454
520	21.497	21.540	21.582	21.625	21.668	21.710	21.753	21.796	21.838	21.881
530	21.924	21.966	22.009	22.052	22.094	22.137	22.179	22.222	22.265	22.307
540	22.350	22.393	22.435	22.478	22.521	22.563	22.606	22.649	22.691	22.734

续表2

$t/^{\circ}\text{C}$	0	1	2	3	4	5	6	7	8	9
	E/mV									
550	22.776	22.819	22.862	22.904	22.947	22.990	23.032	23.075	23.117	23.160
560	23.203	23.245	23.288	23.331	23.373	23.416	23.458	23.501	23.544	23.586
570	23.629	23.671	23.714	23.757	23.799	23.842	23.884	23.927	23.970	24.012
580	24.055	24.097	24.140	24.182	24.225	24.267	24.310	24.353	24.395	24.438
590	24.480	24.523	24.565	24.608	24.650	24.693	24.735	24.778	24.820	24.863
600	24.905	24.948	24.990	25.033	25.075	25.118	25.160	25.203	25.245	25.288
610	25.330	25.373	25.415	25.458	25.500	25.543	25.585	25.627	25.670	25.712
620	25.755	25.797	25.840	25.882	25.924	25.967	26.009	26.052	26.094	26.136
630	26.179	26.221	26.263	26.306	26.348	26.390	26.433	26.475	26.517	26.560
640	26.602	26.644	26.687	26.729	26.771	26.814	26.856	26.898	26.940	26.983
650	27.025	27.067	27.109	27.152	27.194	27.236	27.278	27.320	27.363	27.405
660	27.447	27.489	27.531	27.574	27.616	27.658	27.700	27.742	27.784	27.826
670	27.869	27.911	27.953	27.995	28.037	28.079	28.121	28.163	28.205	28.247
680	28.289	28.332	28.374	28.416	28.458	28.500	28.542	28.584	28.626	28.668
690	28.710	28.752	28.794	28.835	28.877	28.919	28.961	29.003	29.045	29.087
700	29.129	29.171	29.213	29.255	29.297	29.338	29.380	29.422	29.464	29.506
710	29.548	29.589	29.631	29.673	29.715	29.757	29.798	29.840	29.882	29.924
720	29.965	30.007	30.049	30.090	30.132	30.174	30.216	30.257	30.299	30.341
730	30.382	30.424	30.466	30.507	30.549	30.590	30.632	30.674	30.715	30.757
740	30.798	30.840	30.881	30.923	30.964	31.006	31.047	31.089	31.130	31.172
750	31.213	31.255	31.296	31.338	31.379	31.421	31.462	31.504	31.545	31.586
760	31.628	31.669	31.710	31.752	31.793	31.834	31.876	31.917	31.958	32.000
770	32.041	32.082	32.124	32.165	32.206	32.247	32.289	32.330	32.371	32.412
780	32.453	32.495	32.536	32.577	32.618	32.659	32.700	32.742	32.783	32.824
790	32.865	32.906	32.947	32.988	33.029	33.070	33.111	33.152	33.193	33.234
800	33.275	33.316	33.357	33.398	33.439	33.480	33.521	33.562	33.603	33.644
810	33.685	33.726	33.767	33.808	33.848	33.889	33.930	33.971	34.012	34.053
820	34.093	34.134	34.175	34.216	34.257	34.297	34.338	34.379	34.420	34.460
830	34.501	34.542	34.582	34.623	34.664	34.704	34.745	34.786	34.826	34.867
840	34.908	34.948	34.989	35.029	35.070	35.110	35.151	35.192	35.232	35.273
850	35.313	35.354	35.394	35.435	35.475	35.516	35.556	35.596	35.637	35.677
860	35.718	35.758	35.798	35.839	35.879	35.920	35.960	36.000	36.041	36.081
870	36.121	36.162	36.202	36.242	36.282	36.323	36.363	36.403	36.443	36.484
880	36.524	36.564	36.604	36.644	36.685	36.725	36.765	36.805	36.845	36.885
890	36.925	36.965	37.006	37.046	37.086	37.126	37.166	37.206	37.246	37.286
900	37.326	37.366	37.406	37.446	37.486	37.526	37.566	37.606	37.646	37.686
910	37.725	37.765	37.805	37.845	37.885	37.925	37.965	38.005	38.044	38.084
920	38.124	38.164	38.204	38.243	38.283	38.323	38.363	38.402	38.442	38.482
930	38.522	38.561	38.601	38.641	38.680	38.720	38.760	38.799	38.839	38.878
940	38.918	38.958	38.997	39.037	39.076	39.116	39.155	39.195	39.235	39.274
950	39.314	39.353	39.393	39.432	39.471	39.511	39.550	39.590	39.629	39.669
960	39.708	39.747	39.787	39.826	39.866	39.905	39.944	39.984	40.023	40.062
970	40.101	40.141	40.180	40.219	40.259	40.298	40.337	40.376	40.415	40.455
980	40.494	40.533	40.572	40.611	40.651	40.690	40.729	40.768	40.807	40.846
990	40.885	40.924	40.963	41.002	41.042	41.081	41.120	41.159	41.198	41.237
1000	41.276	41.315	41.354	41.393	41.431	41.470	41.509	41.548	41.587	41.626
1010	41.665	41.704	41.743	41.781	41.820	41.859	41.898	41.937	41.976	42.014
1020	42.053	42.092	42.131	42.169	42.208	42.247	42.286	42.324	42.363	42.402
1030	42.440	42.479	42.518	42.556	42.595	42.633	42.672	42.711	42.749	42.788
1040	42.826	42.865	42.903	42.942	42.980	43.019	43.057	43.096	43.134	43.173
1050	43.211	43.250	43.288	43.327	43.365	43.403	43.442	43.480	43.518	43.557
1060	43.595	43.633	43.672	43.710	43.748	43.787	43.825	43.863	43.901	43.940
1070	43.978	44.016	44.054	44.092	44.130	44.169	44.207	44.245	44.283	44.321
1080	44.359	44.397	44.435	44.473	44.512	44.550	44.588	44.626	44.664	44.702
1090	44.740	44.778	44.816	44.853	44.891	44.929	44.967	45.005	45.043	45.081

续表2

t/°C	0	1	2	3	4	5	6	7	8	9
	E/mV									
1100	45.119	45.157	45.194	45.232	45.270	45.308	45.346	45.383	45.421	45.459
1110	45.497	45.534	45.572	45.610	45.647	45.685	45.723	45.760	45.798	45.836
1120	45.873	45.911	45.948	45.986	46.024	46.061	46.099	46.136	46.174	46.211
1130	46.249	46.286	46.324	46.361	46.398	46.436	46.473	46.511	46.548	46.585
1140	46.623	46.660	46.697	46.735	46.772	46.809	46.847	46.884	46.921	46.958
1150	46.995	47.033	47.070	47.107	47.144	47.181	47.218	47.256	47.293	47.330
1160	47.367	47.404	47.441	47.478	47.515	47.552	47.589	47.626	47.663	47.700
1170	47.737	47.774	47.811	47.848	47.884	47.921	47.958	47.995	48.032	48.069
1180	48.105	48.142	48.179	48.216	48.252	48.289	48.326	48.363	48.399	48.436
1190	48.473	48.509	48.546	48.582	48.619	48.656	48.692	48.729	48.765	48.802
1200	48.838	48.875	48.911	48.948	48.984	49.021	49.057	49.093	49.130	49.166
1210	49.202	49.239	49.275	49.311	49.348	49.384	49.420	49.456	49.493	49.529
1220	49.565	49.601	49.637	49.674	49.710	49.746	49.782	49.818	49.854	49.890
1230	49.926	49.962	49.998	50.034	50.070	50.106	50.142	50.178	50.214	50.250
1240	50.286	50.322	50.358	50.393	50.429	50.465	50.501	50.537	50.572	50.608
1250	50.644	50.680	50.715	50.751	50.787	50.822	50.858	50.894	50.929	50.965
1260	51.000	51.036	51.071	51.107	51.142	51.178	51.213	51.249	51.284	51.320
1270	51.355	51.391	51.426	51.461	51.497	51.532	51.567	51.603	51.638	51.673
1280	51.708	51.744	51.779	51.814	51.849	51.885	51.920	51.955	51.990	52.025
1290	52.060	52.095	52.130	52.165	52.200	52.235	52.270	52.305	52.340	52.375
1300	52.410	52.445	52.480	52.515	52.550	52.585	52.620	52.654	52.689	52.724
1310	52.759	52.794	52.828	52.863	52.898	52.932	52.967	53.002	53.037	53.071
1320	53.106	53.140	53.175	53.210	53.244	53.279	53.313	53.348	53.382	53.417
1330	53.451	53.486	53.520	53.555	53.589	53.623	53.658	53.692	53.727	53.761
1340	53.795	53.830	53.864	53.898	53.932	53.967	54.001	54.035	54.069	54.104
1350	54.138	54.172	54.206	54.240	54.274	54.308	54.343	54.377	54.411	54.445
1360	54.479	54.513	54.547	54.581	54.615	54.649	54.683	54.717	54.751	54.785
1370	54.819	54.852	54.886							.

表 3 镍铬-康铜热电偶分度表

分度号: E

参考温度: 0°C

t/°C	0	-1	-2	-3	-4	-5	-6	-7	-8	-9
	E/mV									
-40	-2.255	-2.309	-2.362	-2.416	-2.469	-2.523	-2.576	-2.629	-2.682	-2.735
-30	-1.709	-1.765	-1.820	-1.874	-1.929	-1.984	-2.038	-2.093	-2.147	-2.201
-20	-1.152	-1.208	-1.264	-1.320	-1.376	-1.432	-1.488	-1.543	-1.599	-1.654
-10	-0.582	-0.639	-0.697	-0.754	-0.811	-0.868	-0.925	-0.982	-1.039	-1.095
0	0.000	-0.059	-0.117	-0.176	-0.234	-0.292	-0.350	-0.408	-0.466	-0.524
t/°C	0	1	2	3	4	5	6	7	8	9
	E/mV									
0	0.000	0.059	0.118	0.176	0.235	0.294	0.354	0.413	0.472	0.532
10	0.591	0.651	0.711	0.770	0.830	0.890	0.950	1.010	1.071	1.131
20	1.192	1.252	1.313	1.373	1.434	1.495	1.556	1.617	1.678	1.740
30	1.801	1.862	1.924	1.986	2.047	2.109	2.171	2.233	2.295	2.357
40	2.420	2.482	2.545	2.607	2.670	2.733	2.795	2.858	2.921	2.984
50	3.048	3.111	3.174	3.238	3.301	3.365	3.429	3.492	3.556	3.620
60	3.685	3.749	3.813	3.877	3.942	4.006	4.071	4.136	4.200	4.265
70	4.330	4.395	4.460	4.526	4.591	4.656	4.722	4.788	4.853	4.919
80	4.985	5.051	5.117	5.183	5.249	5.315	5.382	5.448	5.514	5.581
90	5.648	5.714	5.781	5.848	5.915	5.982	6.049	6.117	6.184	6.251
100	6.319	6.386	6.454	6.522	6.590	6.658	6.725	6.794	6.862	6.930
110	6.998	7.066	7.135	7.203	7.272	7.341	7.409	7.478	7.547	7.616
120	7.685	7.754	7.823	7.892	7.962	8.031	8.101	8.170	8.240	8.309
130	8.379	8.449	8.519	8.589	8.659	8.729	8.799	8.869	8.940	9.010
140	9.081	9.151	9.222	9.292	9.363	9.434	9.505	9.576	9.647	9.718

续表3

$t/^{\circ}\text{C}$	0	1	2	3	4	5	6	7	8	9
	E/mV									
150	9.789	9.860	9.931	10.003	10.074	10.145	10.217	10.288	10.360	10.432
160	10.503	10.575	10.647	10.719	10.791	10.863	10.935	11.007	11.080	11.152
170	11.224	11.297	11.369	11.442	11.514	11.587	11.660	11.733	11.805	11.878
180	11.951	12.024	12.097	12.170	12.243	12.317	12.390	12.463	12.537	12.610
190	12.684	12.757	12.831	12.904	12.978	13.052	13.126	13.199	13.273	13.347
200	13.421	13.495	13.569	13.644	13.718	13.792	13.866	13.941	14.015	14.090
210	14.164	14.239	14.313	14.388	14.463	14.537	14.612	14.687	14.762	14.837
220	14.912	14.987	15.062	15.137	15.212	15.287	15.362	15.438	15.513	15.588
230	15.664	15.739	15.815	15.890	15.966	16.041	16.117	16.193	16.269	16.344
240	16.420	16.496	16.572	16.648	16.724	16.800	16.876	16.952	17.028	17.104
250	17.181	17.257	17.333	17.409	17.486	17.562	17.639	17.715	17.792	17.868
260	17.945	18.021	18.098	18.175	18.252	18.328	18.405	18.482	18.559	18.636
270	18.713	18.790	18.867	18.944	19.021	19.098	19.175	19.252	19.330	19.407
280	19.484	19.561	19.639	19.716	19.794	19.871	19.948	20.026	20.103	20.181
290	20.259	20.336	20.414	20.492	20.569	20.647	20.725	20.803	20.880	20.958
300	21.036	21.114	21.192	21.270	21.348	21.426	21.504	21.582	21.660	21.739
310	21.817	21.895	21.973	22.051	22.130	22.208	22.286	22.365	22.443	22.522
320	22.600	22.678	22.757	22.835	22.914	22.993	23.071	23.150	23.228	23.307
330	23.386	23.464	23.543	23.622	23.701	23.780	23.858	23.937	24.016	24.095
340	24.174	24.253	24.332	24.411	24.490	24.569	24.648	24.727	24.806	24.885
350	24.964	25.044	25.123	25.202	25.281	25.360	25.440	25.519	25.598	25.678
360	25.757	25.836	25.916	25.995	26.075	26.154	26.233	26.313	26.392	26.472
370	26.552	26.631	26.711	26.790	26.870	26.950	27.029	27.109	27.189	27.268
380	27.348	27.428	27.507	27.587	27.667	27.747	27.827	27.907	27.986	28.066
390	28.146	28.226	28.306	28.386	28.466	28.546	28.626	28.706	28.786	28.866
400	28.946	29.026	29.106	29.186	29.266	29.346	29.427	29.507	29.587	29.667
410	29.747	29.827	29.908	29.988	30.068	30.148	30.229	30.309	30.389	30.470
420	30.550	30.630	30.711	30.791	30.871	30.952	31.032	31.112	31.193	31.273
430	31.354	31.434	31.515	31.595	31.676	31.756	31.837	31.917	31.998	32.078
440	32.159	32.239	32.320	32.400	32.481	32.562	32.642	32.723	32.803	32.884
450	32.965	33.045	33.126	33.207	33.287	33.368	33.449	33.529	33.610	33.691
460	33.772	33.852	33.933	34.014	34.095	34.175	34.256	34.337	34.418	34.498
470	34.579	34.660	34.741	34.822	34.902	34.983	35.064	35.145	35.226	35.307
480	35.387	35.468	35.549	35.630	35.711	35.792	35.873	35.954	36.034	36.115
490	36.196	36.277	36.358	36.439	36.520	36.601	36.682	36.763	36.843	36.924
500	37.005	37.086	37.167	37.248	37.329	37.410	37.491	37.572	37.653	37.734
510	37.815	37.896	37.977	38.058	38.139	38.220	38.300	38.381	38.462	38.543
520	38.624	38.705	38.786	38.867	38.948	39.029	39.110	39.191	39.272	39.353
530	39.434	39.515	39.596	39.677	39.758	39.839	39.920	40.001	40.082	40.163
540	40.243	40.324	40.405	40.486	40.567	40.648	40.729	40.810	40.891	40.972
550	41.053	41.134	41.215	41.296	41.377	41.457	41.538	41.619	41.700	41.781
560	41.862	41.943	42.024	42.105	42.185	42.266	42.347	42.428	42.509	42.590
570	42.671	42.751	42.832	42.913	42.994	43.075	43.156	43.236	43.317	43.398
580	43.479	43.560	43.640	43.721	43.802	43.883	43.963	44.044	44.125	44.206
590	44.286	44.367	44.448	44.529	44.609	44.690	44.771	44.851	44.932	45.013
600	45.093	45.174	45.255	45.335	45.416	45.497	45.577	45.658	45.738	45.819
610	45.900	45.980	46.061	46.141	46.222	46.302	46.383	46.463	46.544	46.624
620	46.705	46.785	46.866	46.946	47.027	47.107	47.188	47.268	47.349	47.429
630	47.509	47.590	47.670	47.751	47.831	47.911	47.992	48.072	48.152	48.233
640	48.313	48.393	48.474	48.554	48.634	48.715	48.795	48.875	48.955	49.035
650	49.116	49.196	49.276	49.356	49.436	49.517	49.597	49.677	49.757	49.837
660	49.917	49.997	50.077	50.157	50.238	50.318	50.398	50.478	50.558	50.638
670	50.718	50.798	50.878	50.958	51.038	51.118	51.197	51.277	51.357	51.437
680	51.517	51.597	51.677	51.757	51.837	51.916	51.996	52.076	52.156	52.236
690	52.315	52.395	52.475	52.555	52.634	52.714	52.794	52.873	52.953	53.033

续表3

$t/^{\circ}\text{C}$	0	1	2	3	4	5	6	7	8	9
	E/mV									
700	53.112	53.192	53.272	53.351	53.431	53.510	53.590	53.670	53.749	53.829
710	53.908	53.988	54.067	54.147	54.226	54.306	54.385	54.465	54.544	54.624
720	54.703	54.782	54.862	54.941	55.021	55.100	55.179	55.259	55.338	55.417
730	55.497	55.576	55.655	55.734	55.814	55.893	55.972	56.051	56.131	56.210
740	56.289	56.368	56.447	56.526	56.606	56.685	56.764	56.843	56.922	57.001
750	57.080	57.159	57.238	57.317	57.396	57.475	57.554	57.633	57.712	57.791
760	57.870	57.949	58.028	58.107	58.186	58.265	58.343	58.422	58.501	58.580
770	58.659	58.738	58.816	58.895	58.974	59.053	59.131	59.210	59.289	59.367
780	59.446	59.525	59.604	59.682	59.761	59.839	59.918	59.997	60.075	60.154
790	60.232	60.311	60.390	60.468	60.547	60.625	60.704	60.782	60.860	60.939

附录二 常用热电阻分度表

表 1 工业用铂热电阻分度表

分度号: Pt100 $R_0=100.00\ \Omega$ $\alpha=0.003850$

$t/^{\circ}\text{C}$	0	1	2	3	4	5	6	7	8	9
	热电阻值/ Ω									
-200	18.49									
-190	22.80	22.37	21.94	21.51	21.08	20.65	20.22	19.79	19.36	18.93
-180	27.08	26.65	26.23	25.80	25.37	24.94	24.52	24.09	23.66	23.23
-170	31.32	30.90	30.47	30.05	29.63	29.20	28.78	28.35	27.93	27.50
-160	35.53	35.11	34.69	34.27	33.85	33.43	33.01	32.59	32.16	31.74
-150	39.71	39.30	38.88	38.46	38.04	37.63	37.21	36.79	36.37	35.95
-140	43.87	43.45	43.04	42.63	42.21	41.79	41.38	40.96	40.55	40.13
-130	48.00	47.59	47.18	46.76	46.35	45.94	45.52	45.11	44.70	44.28
-120	52.11	51.70	51.29	50.88	50.47	50.06	49.64	49.23	48.82	48.42
-110	56.19	55.78	55.38	54.97	54.56	54.15	53.74	53.33	52.92	52.52
-100	60.25	59.85	59.44	59.04	58.63	58.22	57.82	57.41	57.00	56.60
-90	64.30	63.90	63.49	63.09	62.68	62.28	61.87	61.47	61.06	60.66
-80	68.33	67.92	67.52	67.12	66.72	66.31	65.91	65.51	65.11	64.70
-70	72.33	71.93	71.53	71.13	70.73	70.33	69.93	69.53	69.13	68.73
-60	76.33	75.93	75.53	75.13	74.73	74.33	73.93	73.53	73.13	72.73
-50	80.31	79.91	79.51	79.11	78.72	78.32	77.92	77.52	77.13	76.73
-40	84.27	83.88	83.48	83.08	82.69	82.29	81.89	81.50	81.10	80.70
-30	88.22	87.83	87.43	87.04	86.64	86.25	85.85	85.46	85.06	84.67
-20	92.16	91.77	91.37	90.98	90.59	90.19	89.80	89.40	89.01	88.62
-10	96.09	95.69	95.30	94.91	94.52	94.12	93.73	93.34	92.95	92.55
-0	100.00	99.61	99.22	98.83	98.44	98.04	97.65	97.26	96.87	96.48
0	100.00	100.39	100.78	101.17	101.56	101.95	102.34	102.73	103.12	103.51
10	103.90	104.29	104.68	105.07	105.46	105.85	106.24	106.63	107.02	107.40
20	107.79	108.18	108.57	108.96	109.35	109.73	110.12	110.51	110.90	111.28
30	111.67	112.06	112.45	112.83	113.22	113.61	113.99	114.38	114.77	115.15
40	115.54	115.93	116.31	116.70	117.08	117.47	117.85	118.24	118.62	119.01
50	119.40	119.78	120.16	120.55	120.93	121.32	121.70	122.09	122.47	122.86
60	123.24	123.62	124.01	124.39	124.77	125.16	125.54	125.92	126.31	126.69
70	127.07	127.45	127.84	128.22	128.60	128.98	129.37	129.75	130.13	130.51
80	130.89	131.27	131.66	132.04	132.42	132.80	133.18	133.56	133.94	134.32
90	134.70	135.08	135.46	135.84	136.22	136.60	136.98	137.36	137.74	138.12
100	138.50	138.88	139.26	139.64	140.02	140.39	140.77	141.15	141.53	141.91
110	142.29	142.66	143.04	143.42	143.80	144.17	144.55	144.93	145.31	145.68
120	146.06	146.44	146.81	147.19	147.57	147.94	148.32	148.70	149.07	149.45
130	149.82	150.20	150.57	150.95	151.33	151.70	152.08	152.45	152.83	153.20
140	153.58	153.95	154.32	154.70	155.07	155.45	155.82	156.19	156.57	156.94
150	157.31	157.69	158.06	158.43	158.81	159.18	159.55	159.93	160.30	160.67

续表1

t/℃	0	1	2	3	4	5	6	7	8	9
	热电阻值/ Ω									
160	161.04	161.42	161.79	162.16	162.53	162.90	163.27	163.65	164.02	164.39
170	164.76	165.13	165.50	165.87	166.24	166.61	166.98	167.35	167.72	168.09
180	168.46	168.83	169.20	169.57	169.94	170.31	170.68	171.05	171.42	171.79
190	172.16	172.53	172.90	173.26	173.63	174.00	174.37	174.74	175.10	175.47
200	175.84	176.21	176.57	176.94	177.31	177.68	178.04	178.41	178.78	179.14
210	179.51	179.88	180.24	180.61	180.97	181.34	181.71	182.07	182.44	182.80
220	183.17	183.53	183.90	184.26	184.63	184.99	185.36	185.72	186.09	186.45
230	186.82	187.18	187.54	187.91	188.27	188.63	189.00	189.36	189.72	190.09
240	190.45	190.81	191.18	191.54	191.90	192.26	192.63	192.99	193.35	193.71
250	194.07	194.44	194.80	195.16	195.52	195.88	196.24	196.60	196.96	197.33
260	197.69	198.05	198.41	198.77	199.13	199.49	199.85	200.21	200.57	200.93
270	201.29	201.65	202.01	202.36	202.72	203.08	203.44	203.80	204.16	204.52
280	204.88	205.23	205.59	205.95	206.31	206.67	207.02	207.38	207.74	208.10
290	208.45	208.81	209.17	209.52	209.88	210.24	210.59	210.95	211.31	211.66
300	212.02	212.37	212.73	213.09	213.44	213.80	214.15	214.51	214.86	215.22
310	215.57	215.93	216.28	216.64	216.99	217.35	217.70	218.05	218.41	218.76
320	219.12	219.47	219.82	220.18	220.53	220.88	221.24	221.59	221.94	222.29
330	222.65	223.00	223.35	223.70	224.06	224.41	224.76	225.11	225.46	225.81
340	226.17	226.52	226.87	227.22	227.57	227.92	228.27	228.62	228.97	229.32
350	229.67	230.02	230.37	230.72	231.07	231.42	231.77	232.12	232.47	232.82
360	233.17	233.52	233.87	234.22	234.56	234.91	235.26	235.61	235.96	236.31
370	236.65	237.00	237.35	237.70	238.04	238.39	238.74	239.09	239.43	239.78
380	240.13	240.47	240.82	241.17	241.51	241.86	242.20	242.55	242.90	243.24
390	243.59	243.93	244.28	244.62	244.97	245.31	245.66	246.00	246.35	246.69
400	247.04	247.38	247.73	248.07	248.41	248.76	249.10	249.45	249.79	250.13
410	250.48	250.82	251.16	251.50	251.85	252.19	252.53	252.88	253.22	253.56
420	253.90	254.24	254.59	254.93	255.27	255.61	255.95	256.29	256.64	256.98
430	257.32	257.66	258.00	258.34	258.68	259.02	259.36	259.70	260.04	260.38
440	260.72	261.06	261.40	261.74	262.08	262.42	262.76	263.10	263.43	263.77
450	264.11	264.45	264.79	265.13	265.47	265.80	266.14	266.48	266.82	267.15
460	267.49	267.83	268.17	268.50	268.84	269.18	269.51	269.85	270.19	270.52
470	270.86	271.20	271.53	271.87	272.20	272.54	272.88	273.21	273.55	273.88
480	274.22	274.55	274.89	275.22	275.56	275.89	276.23	276.56	276.89	277.23
490	277.56	277.90	278.23	278.58	278.90	279.23	279.56	279.90	280.23	280.56
500	280.90	281.23	281.56	281.89	282.23	282.56	282.89	283.22	283.55	283.89
510	284.22	284.55	284.88	285.21	285.54	285.87	286.21	286.54	286.87	287.20
520	287.53	287.86	288.19	288.52	288.85	289.18	289.51	289.84	290.17	290.50
530	290.83	291.16	291.49	291.81	292.14	292.47	292.80	293.13	293.46	293.79
540	294.11	294.44	294.77	295.10	295.43	295.75	296.08	296.41	296.74	297.06
550	297.39	297.72	298.04	298.37	298.70	299.02	299.35	299.68	300.00	300.33
560	300.65	300.98	301.31	301.63	301.96	302.28	302.61	302.93	303.26	303.58
570	303.91	304.23	304.56	304.88	305.20	305.53	305.85	306.18	306.50	306.82
580	307.15	307.47	307.79	308.12	308.44	308.76	309.09	309.41	309.73	310.05
590	310.38	310.70	311.02	311.34	311.67	311.99	312.31	312.63	312.95	313.27
600	313.59	313.92	314.24	314.56	314.88	315.20	315.52	315.84	316.16	316.48
610	316.80	317.12	317.44	317.76	318.08	318.40	318.72	319.04	319.36	319.68
620	319.99	320.31	320.63	320.95	321.27	321.59	321.91	322.22	322.54	322.86
630	323.18	323.49	323.81	324.13	324.45	324.76	325.08	325.40	325.72	326.03
640	326.35	326.66	326.98	327.30	327.61	327.93	328.25	328.56	328.88	329.19
650	329.51	329.82	330.14	330.45	330.77	331.08	331.40	331.71	332.03	332.34
660	332.66	332.97	333.28	333.60	333.91	334.23	334.54	334.85	335.17	335.48
670	335.79	336.11	336.42	336.73	337.04	337.36	337.67	337.98	338.29	338.61
680	338.92	339.23	339.54	339.85	340.16	340.48	340.79	341.10	341.41	341.72
690	342.03	342.34	342.65	342.96	343.27	343.58	343.89	344.20	344.51	344.82
700	345.13	345.44	345.75	346.06	346.37	346.68	346.99	347.30	347.60	347.91

续表1

t/℃	0	1	2	3	4	5	6	7	8	9
	热电阻值/Ω									
710	348.22	348.53	348.84	349.15	349.45	349.76	350.07	350.38	350.69	350.99
720	351.30	351.61	351.91	352.22	352.53	352.83	353.14	353.45	353.75	354.06
730	354.37	354.67	354.98	355.28	355.59	355.90	356.20	356.51	356.81	357.12
740	357.42	357.73	358.03	358.34	358.64	358.95	359.25	359.55	359.86	360.16
750	360.47	360.77	361.07	361.38	361.68	361.98	362.29	362.59	362.89	363.19
760	363.50	363.80	364.10	364.40	364.71	365.01	365.31	365.61	365.91	366.22
770	366.52	366.82	367.12	367.42	367.72	368.02	368.32	368.63	368.93	369.23
780	369.53	369.83	370.13	370.43	370.73	371.03	371.33	371.63	371.93	372.22
790	372.52	372.82	373.12	373.42	373.72	374.02	374.32	374.61	374.91	375.21
800	375.50	375.81	376.10	376.40	376.70	377.00	377.29	377.59	377.89	378.19
810	378.48	378.78	379.08	379.37	379.67	379.97	380.26	380.56	380.85	381.15
820	381.45	381.74	382.04	382.33	382.63	382.92	383.22	383.51	383.81	384.10
830	384.40	384.69	384.98	385.28	385.57	385.87	386.16	386.45	386.75	387.04
840	387.34	387.63	387.92	388.21	388.51	388.80	389.09	389.39	389.68	389.97
850	390.26									

表 2 工业用铜热电阻分度表

分度号: Cu100 R₀=100Ω

t/℃	0	1	2	3	4	5	6	7	8	9
	热电阻值/Ω									
-50	78.49	82.36	81.94	81.50	81.08	80.64	80.20	79.78	79.34	78.92
-40	82.80	86.68	86.24	85.82	85.38	84.96	84.54	84.10	83.66	83.22
-30	87.10	90.98	90.54	90.12	89.63	89.26	88.82	88.40	87.96	87.54
-20	91.40	95.28	94.84	94.42	93.98	93.56	93.12	92.70	92.26	91.84
-10	95.70	99.56	99.14	98.70	98.28	97.84	97.42	97.00	96.56	96.14
-0	100.00	100.42	100.86	101.28	101.72	102.14	102.56	103.00	103.42	103.86
0	100.00	104.72	105.14	105.56	106.00	106.42	106.86	107.28	107.72	108.14
10	104.28	109.00	109.42	109.84	110.28	110.70	111.14	111.56	112.00	112.42

20	108.56	113.28	113.70	114.14	114.56	114.98	115.42	115.84	116.28	116.70
30	112.84	117.56	117.98	118.40	118.84	119.26	119.70	120.12	120.54	120.98
40	117.12	121.84	122.26	122.68	123.12	123.54	123.96	124.40	124.82	125.26
50	121.40	126.10	126.54	126.96	127.40	127.82	128.24	128.68	129.10	129.52
60	125.68	130.38	130.82	131.24	131.66	132.10	132.52	132.96	133.38	133.80
70	129.96	134.66	135.08	135.52	135.94	136.38	136.80	137.24	137.66	138.08
80	134.24	138.94	139.36	139.80	140.22	140.66	141.08	141.52	141.94	142.36
90	138.52	143.22	143.66	144.08	144.50	144.94	145.36	145.80	146.22	146.66
100	142.80	147.50	147.94	148.36	148.80	149.22	149.66	150.08	150.52	150.94
110	147.08	151.80	152.22	152.66	153.08	153.52	153.94	154.38	154.80	155.24
120	151.36	156.10	156.52	156.96	157.38	157.82	158.24	158.68	159.10	159.54
130	155.66	160.40	160.82	161.26	161.68	162.12	162.54	162.98	163.40	163.84
140	159.96									
150	164.27									