

TABLES
FOR
ELECTROMOTIVE FORCE OF THERMOCOUPLES

熱電対の起電力表

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RIGAKU CORPORATION

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プラチネル No. 5355-No. 7674 熱電対の起電力表

Table for electromotive force of thermocouple Platinel No. 5355 (+) - Platinel No. 7674 (-) [mV]

Temp. (°C)	0	1	2	3	4	5	6	7	8	9
-200	-4.327									
-190	-4.210	-4.222	-4.234	-4.246	-4.258	-4.269	-4.281	-4.293	-4.304	-4.316
-180	-4.084	-4.097	-4.110	-4.123	-4.136	-4.148	-4.161	-4.173	-4.186	-4.198
-170	-3.948	-3.962	-3.976	-3.990	-4.004	-4.018	-4.031	-4.045	-4.058	-4.071
-160	-3.800	-3.815	-3.831	-3.846	-3.861	-3.876	-3.890	-3.905	-3.919	-3.934
-150	-3.639	-3.655	-3.672	-3.689	-3.705	-3.721	-3.737	-3.753	-3.769	-3.784
-140	-3.462	-3.481	-3.499	-3.517	-3.535	-3.553	-3.570	-3.587	-3.605	-3.622
-130	-3.270	-3.290	-3.310	-3.330	-3.349	-3.368	-3.388	-3.407	-3.425	-3.444
-120	-3.060	-3.082	-3.103	-3.125	-3.146	-3.167	-3.188	-3.209	-3.229	-3.250
-110	-2.830	-2.854	-2.878	-2.901	-2.924	-2.948	-2.970	-2.993	-3.015	-3.038
-100	-2.580	-2.606	-2.632	-2.657	-2.683	-2.708	-2.733	-2.757	-2.782	-2.806
-90	-2.360	-2.382	-2.405	-2.427	-2.449	-2.471	-2.493	-2.515	-2.537	-2.558
-80	-2.132	-2.155	-2.178	-2.201	-2.224	-2.247	-2.270	-2.293	-2.315	-2.338
-70	-1.894	-1.918	-1.942	-1.966	-1.990	-2.014	-2.038	-2.062	-2.085	-2.109
-60	-1.648	-1.673	-1.698	-1.723	-1.747	-1.772	-1.797	-1.821	-1.845	-1.870
-50	-1.393	-1.419	-1.445	-1.470	-1.496	-1.522	-1.547	-1.572	-1.598	-1.623
-40	-1.130	-1.157	-1.183	-1.210	-1.236	-1.263	-1.289	-1.315	-1.341	-1.367
-30	-0.859	-0.886	-0.914	-0.941	-0.968	-0.996	-1.023	-1.050	-1.076	-1.103
-20	-0.580	-0.608	-0.636	-0.664	-0.692	-0.720	-0.748	-0.776	-0.804	-0.831
-10	-0.294	-0.323	-0.352	-0.381	-0.409	-0.438	-0.466	-0.495	-0.523	-0.552
(-) 0	-0.000	-0.030	-0.059	-0.089	-0.118	-0.148	-0.177	-0.207	-0.236	-0.265
(+) 0	0.000	0.030	0.060	0.090	0.120	0.150	0.180	0.210	0.240	0.271
10	0.301	0.332	0.362	0.393	0.423	0.454	0.485	0.516	0.547	0.578
20	0.609	0.640	0.671	0.702	0.734	0.765	0.797	0.828	0.860	0.891
30	0.923	0.955	0.987	1.019	1.051	1.083	1.115	1.148	1.180	1.213
40	1.245	1.277	1.310	1.342	1.375	1.408	1.440	1.473	1.506	1.539
50	1.572	1.605	1.638	1.672	1.705	1.738	1.772	1.805	1.839	1.872
60	1.906	1.940	1.973	2.007	2.041	2.075	2.109	2.143	2.177	2.211
70	2.245	2.279	2.314	2.348	2.383	2.417	2.452	2.487	2.521	2.556
80	2.591	2.626	2.661	2.695	2.730	2.765	2.800	2.835	2.871	2.906
90	2.941	2.976	3.012	3.048	3.083	3.119	3.155	3.190	3.226	3.262
100	3.298	3.334	3.370	3.406	3.442	3.478	3.514	3.550	3.586	3.623
110	3.659	3.695	3.732	3.768	3.805	3.841	3.878	3.915	3.951	3.988
120	4.025	4.062	4.099	4.136	4.173	4.210	4.248	4.285	4.322	4.360
130	4.397	4.434	4.472	4.509	4.546	4.584	4.621	4.659	4.697	4.734
140	4.772	4.810	4.848	4.886	4.924	4.962	5.000	5.038	5.076	5.115
150	5.153	5.191	5.229	5.268	5.306	5.344	5.383	5.421	5.460	5.498
160	5.537	5.576	5.614	5.653	5.692	5.731	5.770	5.809	5.848	5.887
170	5.926	5.965	6.004	6.044	6.083	6.122	6.161	6.201	6.240	6.280
180	6.319	6.358	6.398	6.437	6.477	6.517	6.556	6.596	6.636	6.675
190	6.715	6.755	6.795	6.835	6.875	6.915	6.955	6.995	7.035	7.075
200	7.115	7.155	7.196	7.236	7.276	7.317	7.357	7.397	7.438	7.478
210	7.519	7.560	7.600	7.641	7.681	7.722	7.763	7.804	7.844	7.885
220	7.926	7.967	8.008	8.049	8.090	8.131	8.172	8.213	8.254	8.295
230	8.336	8.377	8.418	8.460	8.501	8.542	8.583	8.625	8.666	8.708
240	8.749	8.790	8.832	8.873	8.915	8.957	8.998	9.040	9.082	9.123

°C	0	1	2	3	4	5	6	7	8	9
250	9.165	9.207	9.249	9.290	9.332	9.374	9.416	9.458	9.500	9.542
260	9.584	9.626	9.668	9.710	9.753	9.795	9.837	9.879	9.921	9.964
270	10.006	10.048	10.091	10.133	10.175	10.218	10.260	10.303	10.345	10.388
280	10.430	10.472	10.515	10.558	10.600	10.643	10.685	10.728	10.771	10.813
290	10.856	10.899	10.942	10.984	11.027	11.070	11.113	11.156	11.199	11.242
300	11.285	11.328	11.371	11.414	11.457	11.500	11.543	11.587	11.630	11.673
310	11.716	11.759	11.802	11.845	11.889	11.932	11.975	12.018	12.061	12.105
320	12.148	12.191	12.235	12.278	12.322	12.365	12.409	12.452	12.496	12.539
330	12.582	12.625	12.670	12.714	12.757	12.801	12.844	12.888	12.932	12.975
340	13.019	13.063	13.106	13.150	13.193	13.237	13.280	13.324	13.367	13.411
350	13.457	13.501	13.545	13.589	13.632	13.676	13.719	13.763	13.806	13.850
360	13.897	13.941	13.985	14.029	14.072	14.116	14.159	14.203	14.246	14.290
370	14.338	14.382	14.426	14.470	14.513	14.557	14.600	14.644	14.687	14.731
380	14.780	14.824	14.868	14.913	14.956	14.999	15.043	15.086	15.129	15.173
390	15.223	15.267	15.312	15.356	15.399	15.443	15.486	15.529	15.573	15.616
400	15.668	15.713	15.757	15.802	15.845	15.888	15.932	15.975	16.019	16.062
410	16.114	16.159	16.203	16.248	16.291	16.334	16.378	16.421	16.465	16.508
420	16.560	16.605	16.650	16.694	16.738	16.781	16.825	16.868	16.912	16.955
430	17.008	17.053	17.098	17.142	17.185	17.229	17.272	17.316	17.359	17.403
440	17.456	17.501	17.546	17.590	17.633	17.677	17.720	17.764	17.807	17.851
450	17.904	17.949	17.994	18.039	18.082	18.126	18.169	18.213	18.256	18.300
460	18.354	18.399	18.444	18.489	18.532	18.576	18.619	18.663	18.706	18.750
470	18.804	18.849	18.894	18.939	18.982	19.026	19.069	19.113	19.156	19.200
480	19.255	19.300	19.345	19.390	19.433	19.477	19.520	19.564	19.607	19.651
490	19.705	19.750	19.795	19.840	19.883	19.927	19.970	20.014	20.057	20.101
500	20.156	20.201	20.246	20.291	20.334	20.378	20.421	20.465	20.508	20.552
510	20.607	20.652	20.697	20.742	20.785	20.829	20.872	20.916	20.959	21.003
520	21.057	21.102	21.147	21.192	21.235	21.279	21.322	21.366	21.409	21.453
530	21.508	21.553	21.598	21.643	21.686	21.730	21.773	21.817	21.860	21.904
540	21.959	22.004	22.049	22.094	22.137	22.181	22.224	22.268	22.311	22.355
550	22.409	22.454	22.499	22.544	22.587	22.631	22.674	22.718	22.761	22.805
560	22.860	22.905	22.950	22.995	23.038	23.082	23.125	23.169	23.212	23.256
570	23.311	23.356	23.401	23.446	23.489	23.533	23.576	23.620	23.663	23.707
580	23.761	23.806	23.851	23.896	23.939	23.983	24.026	24.070	24.113	24.157
590	24.212	24.257	24.302	24.347	24.390	24.434	24.477	24.521	24.564	24.608
600	24.663	24.708	24.753	24.798	24.841	24.885	24.928	24.972	25.015	25.059
610	25.113	25.158	25.203	25.248	25.291	25.335	25.378	25.422	25.465	25.509
620	25.564	25.609	25.654	25.699	25.742	25.786	25.829	25.873	25.916	25.960
630	26.015	26.060	26.105	26.150	26.193	26.237	26.280	26.324	26.367	26.411
640	26.464	26.509	26.554	26.598	26.642	26.685	26.729	26.772	26.816	26.859
650	26.911	26.956	27.000	27.045	27.088	27.132	27.175	27.219	27.262	27.306
660	27.356	27.400	27.445	27.489	27.532	27.576	27.619	27.663	27.706	27.750
670	27.799	27.843	27.888	27.932	27.975	28.019	28.062	28.106	28.149	28.193
680	28.242	28.286	28.330	28.374	28.417	28.461	28.504	28.548	28.591	28.635
690	28.683	28.727	28.771	28.815	28.858	28.902	28.945	28.989	29.032	29.076
700	29.123	29.167	29.211	29.255	29.298	29.342	29.385	29.429	29.472	29.516
710	29.561	29.605	29.649	29.692	29.736	29.779	29.823	29.866	29.909	29.953
720	29.998	30.042	30.085	30.129	30.172	30.216	30.259	30.303	30.346	30.390
730	30.433	30.476	30.520	30.563	30.607	30.650	30.694	30.737	30.780	30.824
740	30.867	30.910	30.954	30.997	31.041	31.084	31.128	31.171	31.215	31.258

°C	0	1	2	3	4	5	6	7	8	9
750	31.299	31.342	31.385	31.428	31.472	31.515	31.558	31.601	31.644	31.687
760	31.730	31.773	31.816	31.859	31.902	31.945	31.988	32.030	32.073	32.116
770	32.159	32.202	32.245	32.288	32.330	32.373	32.416	32.459	32.502	32.544
780	32.587	32.630	32.672	32.715	32.758	32.800	32.843	32.885	32.928	32.970
790	33.013	33.056	33.098	33.141	33.183	33.226	33.268	33.311	33.353	33.396
800	33.438	33.480	33.523	33.565	33.607	33.650	33.692	33.734	33.777	33.819
810	33.861	33.903	33.945	33.987	34.030	34.072	34.114	34.156	34.198	34.240
820	34.282	34.324	34.366	34.408	34.450	34.492	34.534	34.576	34.618	34.660
830	34.702	34.744	34.786	34.828	34.869	34.911	34.953	34.995	35.037	35.078
840	35.120	35.162	35.203	35.245	35.287	35.328	35.370	35.411	35.453	35.494
850	35.536	35.578	35.619	35.661	35.702	35.744	35.785	35.827	35.868	35.910
860	35.951	35.992	36.034	36.075	36.116	36.158	36.199	36.240	36.282	36.323
870	36.364	36.405	36.446	36.487	36.529	36.570	36.611	36.652	36.693	36.734
880	36.775	36.816	36.857	36.898	36.939	36.980	37.021	37.062	37.103	37.144
890	37.185	37.226	37.267	37.307	37.348	37.389	37.429	37.470	37.511	37.551
900	37.592	37.633	37.673	37.714	37.755	37.795	37.836	37.876	37.917	37.957
910	37.998	38.038	38.079	38.119	38.160	38.200	38.241	38.281	38.321	38.362
920	38.402	38.442	38.483	38.523	38.563	38.604	38.644	38.684	38.725	38.765
930	38.805	38.845	38.885	38.925	38.965	39.005	39.045	39.085	39.125	39.165
940	39.205	39.245	39.285	39.325	39.365	39.405	39.445	39.484	39.524	39.564
950	39.604	39.644	39.684	39.723	39.763	39.803	39.843	39.882	39.922	39.961
960	40.001	40.040	40.080	40.119	40.159	40.198	40.238	40.277	40.316	40.356
970	40.395	40.434	40.474	40.513	40.552	40.592	40.631	40.670	40.709	40.749
980	40.788	40.827	40.867	40.906	40.945	40.984	41.023	41.063	41.102	41.141
990	41.180	41.219	41.258	41.297	41.336	41.375	41.414	41.453	41.491	41.530
1000	41.569	41.608	41.647	41.685	41.724	41.763	41.801	41.840	41.879	41.917
1010	41.956	41.995	42.033	42.072	42.111	42.149	42.188	42.226	42.265	42.304
1020	42.342	42.380	42.419	42.457	42.495	42.534	42.572	42.610	42.649	42.687
1030	42.725	42.763	42.802	42.840	42.878	42.916	42.954	42.993	43.031	43.069
1040	43.107	43.145	43.183	43.221	43.259	43.297	43.335	43.372	43.410	43.448
1050	43.486	43.524	43.562	43.600	43.637	43.675	43.713	43.751	43.789	43.826
1060	43.864	43.902	43.939	43.977	44.014	44.052	44.089	44.127	44.164	44.202
1070	44.239	44.276	44.314	44.351	44.389	44.426	44.464	44.501	44.538	44.576
1080	44.613	44.650	44.687	44.725	44.762	44.799	44.836	44.873	44.910	44.947
1090	44.984	45.021	45.058	45.095	45.132	45.169	45.206	45.243	45.280	45.317
1100	45.354	45.391	45.428	45.464	45.501	45.538	45.574	45.611	45.648	45.684
1110	45.721	45.758	45.794	45.831	45.868	45.904	45.941	45.977	46.014	46.051
1120	46.087	46.123	46.160	46.196	46.232	46.269	46.305	46.341	46.378	46.414
1130	46.450	46.486	46.522	46.558	46.595	46.631	46.667	46.703	46.739	46.775
1140	46.811	46.847	46.883	46.919	46.955	46.991	47.027	47.063	47.099	47.135
1150	47.171	47.207	47.243	47.278	47.314	47.350	47.385	47.421	47.457	47.492
1160	47.528	47.564	47.599	47.635	47.670	47.706	47.741	47.777	47.812	47.848
1170	47.883	47.918	47.954	47.989	48.024	48.060	48.095	48.130	48.166	48.201
1180	48.236	48.271	48.306	48.342	48.377	48.412	48.447	48.482	48.517	48.552
1190	48.587	48.622	48.657	48.692	48.727	48.762	48.797	48.832	48.866	48.901
1200	48.936	48.971	49.005	49.040	49.075	49.109	49.144	49.178	49.213	49.247
1210	49.282	49.317	49.351	49.386	49.420	49.455	49.489	49.524	49.558	49.593
1220	49.627	49.661	49.696	49.730	49.764	49.798	49.832	49.867	49.901	49.935
1230	49.969	50.003	50.037	50.071	50.106	50.140	50.174	50.208	50.242	50.276
1240	50.310	50.344	50.378	50.412	50.445	50.479	50.513	50.547	50.581	50.614

°C	0	1	2	3	4	5	6	7	8	9
1250	50.648	50.682	50.715	50.749	50.783	50.816	50.850	50.883	50.917	50.950
1260	50.984	51.018	51.051	51.084	51.118	51.151	51.185	51.218	51.251	51.285
1270	51.318	51.351	51.384	51.418	51.451	51.484	51.517	51.550	51.583	51.616
1280	51.649	51.682	51.715	51.748	51.781	51.814	51.847	51.880	51.913	51.946
1290	51.979	52.012	52.045	52.077	52.110	52.143	52.175	52.208	52.241	52.273
1300	52.306	52.339	52.371	52.404	52.436	52.469	52.501	52.534	52.566	52.599
1310	52.631	52.663	52.696	52.728	52.760	52.793	52.825	52.857	52.890	52.922
1320	52.954	52.986	53.018	53.051	53.083	53.115	53.147	53.179	53.211	53.243
1330	53.275	53.307	53.339	53.371	53.403	53.435	53.467	53.499	53.530	53.562
1340	53.594	53.626	53.657	53.689	53.721	53.752	53.784	53.815	53.847	53.878
1350	53.910	53.941	53.973	54.004	54.036	54.067	54.099	54.130	54.161	54.193
1360	54.224	54.255	54.287	54.318	54.349	54.380	54.411	54.443	54.474	54.505
1370	54.536									

[備考] 1. 上表の -100°C 以上の 10°C 毎の起電力値は Engelhard Industries, Inc. USA により与えられたものである。

上表の -100°C 以上の 1°C 毎の起電力値は、上記の値をもとにして内挿法により算出したものである。

2. 上表の -100°C 以下の起電力値は LN₂ 温度をもとにして算出したものである。

3. 上表の起電力値は絶対ミリボルトで表わし、基準接点は 0°C とする。

4. 保証温度誤差 -100°C ~ +600°C ±0.1 mV
+600°C 以上 ±0.2 mV

[Remarks]

1. Values of electromotive force at every 10°C over -100°C in the table above have been provided by Engelhard Industries, Inc. USA.

Values of electromotive force at every 1°C over -100°C in the table above have been calculated by the interpolation based on the above values.

2. Values of electromotive force under -100°C in the table above have been calculated based on LN₂ temperature.

3. Values of electromotive force in the table above are expressed in absolute mV and its reference junction is 0°C.

4. Guaranteed temperature error -100°C ~ +600°C ±0.1mV
over +600°C ±0.2mV

P.R.: 3% - Pt

白金-白金13%ロジウム熱電対

白金-白金 13%ロジウム熱電対の起電力 (基準接点は 0°C) [mV] (1)

温度 [°C]	0	1	2	3	4	5	6	7	8	9
0	0.000	0.005	0.011	0.016	0.022	0.027	0.033	0.038	0.043	0.049
10	0.055	0.061	0.066	0.072	0.078	0.083	0.089	0.095	0.101	0.106
20	0.112	0.118	0.124	0.130	0.136	0.142	0.148	0.154	0.160	0.166
30	0.172	0.178	0.184	0.190	0.196	0.203	0.209	0.215	0.221	0.228
40	0.234	0.240	0.246	0.252	0.259	0.265	0.272	0.278	0.285	0.291
50	0.298	0.304	0.311	0.317	0.324	0.330	0.337	0.343	0.350	0.357
60	0.363	0.370	0.377	0.383	0.390	0.397	0.403	0.410	0.417	0.424
70	0.431	0.438	0.445	0.451	0.458	0.465	0.472	0.479	0.486	0.493
80	0.500	0.507	0.514	0.521	0.528	0.536	0.543	0.550	0.557	0.565
90	0.572	0.579	0.586	0.594	0.601	0.609	0.616	0.623	0.631	0.638
100	0.645	0.653	0.660	0.668	0.675	0.683	0.690	0.698	0.705	0.713
110	0.721	0.728	0.736	0.744	0.752	0.759	0.767	0.775	0.782	0.790
120	0.798	0.805	0.813	0.821	0.829	0.837	0.845	0.853	0.861	0.869
130	0.877	0.885	0.893	0.901	0.909	0.917	0.925	0.933	0.941	0.949
140	0.957	0.966	0.974	0.982	0.990	0.998	1.006	1.014	1.022	1.031
150	1.039	1.047	1.055	1.063	1.072	1.080	1.088	1.096	1.104	1.112
160	1.121	1.129	1.138	1.146	1.154	1.163	1.171	1.179	1.188	1.196
170	1.205	1.213	1.222	1.231	1.239	1.247	1.256	1.265	1.273	1.282
180	1.290	1.298	1.307	1.316	1.324	1.333	1.342	1.351	1.359	1.368
190	1.377	1.386	1.395	1.403	1.412	1.420	1.429	1.438	1.447	1.456
200	1.465	1.473	1.482	1.491	1.500	1.509	1.517	1.526	1.535	1.544
210	1.553	1.562	1.571	1.580	1.589	1.598	1.607	1.616	1.625	1.634
220	1.643	1.652	1.661	1.670	1.679	1.688	1.697	1.706	1.715	1.725
230	1.734	1.743	1.752	1.761	1.770	1.779	1.788	1.798	1.807	1.816
240	1.826	1.835	1.844	1.853	1.863	1.872	1.881	1.890	1.900	1.909
250	1.918	1.928	1.937	1.946	1.956	1.965	1.974	1.984	1.993	2.002
260	2.012	2.021	2.031	2.040	2.050	2.059	2.068	2.078	2.087	2.097
270	2.107	2.116	2.126	2.135	2.145	2.154	2.164	2.173	2.183	2.192
280	2.202	2.211	2.221	2.231	2.240	2.250	2.259	2.269	2.279	2.288
290	2.298	2.308	2.317	2.327	2.337	2.346	2.356	2.366	2.375	2.385
300	2.395	2.405	2.415	2.424	2.434	2.444	2.454	2.464	2.473	2.483
310	2.493	2.503	2.513	2.522	2.532	2.542	2.552	2.562	2.572	2.581
320	2.591	2.601	2.611	2.621	2.631	2.641	2.650	2.660	2.670	2.680
330	2.690	2.700	2.710	2.720	2.730	2.740	2.750	2.760	2.770	2.780
340	2.790	2.800	2.810	2.820	2.830	2.840	2.850	2.860	2.870	2.880
350	2.890	2.900	2.910	2.920	2.930	2.940	2.950	2.961	2.971	2.981
360	2.971	3.001	3.011	3.021	3.031	3.041	3.051	3.062	3.072	3.082
370	3.092	3.102	3.112	3.122	3.133	3.143	3.153	3.163	3.173	3.183
380	3.194	3.204	3.214	3.224	3.234	3.245	3.255	3.265	3.276	3.286
390	3.296	3.306	3.317	3.327	3.337	3.347	3.358	3.368	3.378	3.389
400	3.399	3.409	3.420	3.430	3.440	3.451	3.461	3.471	3.481	3.492
410	3.502	3.512	3.523	3.533	3.544	3.554	3.565	3.575	3.586	3.596
420	3.607	3.617	3.627	3.638	3.648	3.659	3.669	3.680	3.690	3.701
430	3.712	3.722	3.732	3.743	3.753	3.764	3.774	3.785	3.796	3.806
440	3.817	3.827	3.838	3.848	3.859	3.870	3.880	3.891	3.901	3.912
450	3.923	3.933	3.944	3.954	3.965	3.976	3.987	3.997	4.008	4.018
460	4.029	4.039	4.050	4.060	4.071	4.081	4.092	4.102	4.113	4.123
470	4.134	4.145	4.156	4.166	4.177	4.187	4.198	4.209	4.219	4.230
480	4.241	4.251	4.262	4.273	4.283	4.294	4.305	4.315	4.326	4.337
490	4.348	4.358	4.369	4.380	4.390	4.401	4.412	4.422	4.433	4.444
500	4.455	4.466	4.477	4.488	4.498	4.509	4.520	4.531	4.542	4.552
510	4.563	4.574	4.585	4.596	4.607	4.618	4.629	4.640	4.651	4.662
520	4.672	4.683	4.694	4.705	4.716	4.727	4.738	4.749	4.760	4.771
530	4.782	4.793	4.804	4.815	4.826	4.837	4.848	4.859	4.870	4.881
540	4.893	4.904	4.915	4.926	4.937	4.948	4.959	4.970	4.981	4.992
550	5.004	5.015	5.026	5.037	5.048	5.059	5.070	5.081	5.092	5.104
560	5.115	5.126	5.137	5.148	5.159	5.170	5.182	5.193	5.204	5.215

PtR: 3%-Pt

白金-白金 13%ロジウム熱電対の起電力 (基準接点は 0°C) [mV] (2)

温度 °C	0	1	2	3	4	5	6	7	8	9
570	5.226	5.238	5.249	5.260	5.271	5.282	5.293	5.304	5.316	5.327
580	5.338	5.349	5.360	5.371	5.383	5.394	5.405	5.416	5.428	5.439
590	5.450	5.461	5.472	5.484	5.495	5.507	5.518	5.529	5.540	5.551
600	5.563	5.574	5.586	5.597	5.609	5.620	5.631	5.642	5.654	5.665
610	5.677	5.688	5.700	5.711	5.723	5.734	5.746	5.757	5.769	5.780
620	5.792	5.803	5.814	5.826	5.837	5.849	5.861	5.872	5.883	5.895
630	5.907	5.918	5.930	5.941	5.952	5.964	5.976	5.987	5.999	6.010
640	6.022	6.033	6.044	6.056	6.068	6.079	6.091	6.102	6.114	6.126
650	6.137	6.149	6.160	6.171	6.183	6.194	6.206	6.218	6.229	6.240
660	6.252	6.264	6.275	6.287	6.299	6.310	6.321	6.333	6.344	6.356
670	6.368	6.380	6.391	6.403	6.415	6.427	6.438	6.450	6.461	6.473
680	6.485	6.497	6.508	6.520	6.532	6.544	6.555	6.567	6.579	6.590
690	6.602	6.614	6.626	6.637	6.649	6.661	6.672	6.684	6.696	6.708
700	6.720	6.732	6.744	6.756	6.768	6.779	6.791	6.803	6.815	6.827
710	6.838	6.850	6.862	6.874	6.886	6.898	6.910	6.922	6.934	6.946
720	6.957	6.969	6.981	6.993	7.005	7.017	7.029	7.040	7.052	7.064
730	7.076	7.088	7.100	7.112	7.124	7.136	7.147	7.159	7.171	7.183
740	7.195	7.207	7.219	7.231	7.243	7.255	7.267	7.279	7.291	7.303
750	7.315	7.327	7.339	7.351	7.364	7.376	7.388	7.400	7.412	7.424
760	7.436	7.448	7.460	7.472	7.485	7.497	7.509	7.521	7.533	7.545
770	7.557	7.570	7.582	7.594	7.606	7.618	7.631	7.643	7.655	7.667
780	7.679	7.692	7.704	7.716	7.728	7.740	7.752	7.765	7.777	7.789
790	7.801	7.814	7.826	7.838	7.850	7.863	7.875	7.888	7.900	7.912
800	7.924	7.936	7.949	7.961	7.973	7.986	7.998	8.010	8.022	8.035
810	8.047	8.059	8.071	8.084	8.096	8.109	8.121	8.134	8.146	8.158
820	8.170	8.182	8.195	8.208	8.220	8.232	8.245	8.257	8.269	8.281
830	8.294	8.306	8.319	8.331	8.343	8.356	8.369	8.381	8.394	8.406
840	8.419	8.431	8.444	8.456	8.469	8.481	8.494	8.506	8.519	8.531
850	8.544	8.556	8.569	8.581	8.594	8.606	8.619	8.631	8.644	8.656
860	8.669	8.681	8.694	8.706	8.719	8.732	8.744	8.757	8.769	8.782
870	8.795	8.807	8.820	8.832	8.845	8.858	8.870	8.883	8.895	8.908
880	8.921	8.933	8.946	8.959	8.971	8.984	8.996	9.009	9.021	9.034
890	9.047	9.060	9.072	9.085	9.098	9.111	9.123	9.136	9.149	9.161
900	9.175	9.188	9.200	9.213	9.226	9.239	9.251	9.264	9.277	9.290
910	9.303	9.316	9.328	9.341	9.354	9.367	9.379	9.392	9.405	9.418
920	9.431	9.444	9.456	9.469	9.482	9.495	9.508	9.520	9.533	9.546
930	9.559	9.572	9.585	9.598	9.610	9.623	9.636	9.649	9.661	9.674
940	9.687	9.700	9.713	9.726	9.739	9.752	9.765	9.778	9.790	9.803
950	9.816	9.829	9.842	9.855	9.868	9.881	9.894	9.907	9.920	9.933
960	9.946	9.960	9.973	9.986	9.999	10.012	10.025	10.038	10.051	10.064
970	10.077	10.090	10.103	10.116	10.130	10.143	10.156	10.169	10.182	10.195
980	10.208	10.221	10.234	10.247	10.260	10.274	10.287	10.300	10.313	10.326
990	10.339	10.352	10.366	10.379	10.392	10.405	10.419	10.432	10.445	10.458
1 000	10.471	10.484	10.497	10.510	10.523	10.537	10.550	10.563	10.576	10.589
1 010	10.603	10.616	10.629	10.642	10.655	10.668	10.682	10.695	10.709	10.722
1 020	10.735	10.748	10.761	10.775	10.788	10.801	10.819	10.828	10.841	10.855
1 030	10.869	10.882	10.895	10.909	10.922	10.936	10.949	10.963	10.976	10.989
1 040	11.003	11.016	11.030	11.043	11.057	11.070	11.084	11.097	11.111	11.124
1 050	11.138	11.151	11.165	11.178	11.191	11.205	11.219	11.232	11.246	11.259
1 060	11.273	11.286	11.300	11.313	11.327	11.340	11.354	11.367	11.381	11.394
1 070	11.408	11.421	11.435	11.449	11.463	11.476	11.490	11.504	11.517	11.531
1 080	11.544	11.558	11.571	11.585	11.599	11.613	11.626	11.640	11.654	11.667
1 090	11.681	11.694	11.708	11.722	11.736	11.749	11.763	11.776	11.790	11.803
1 100	11.817	11.830	11.844	11.858	11.871	11.885	11.899	11.913	11.926	11.940
1 110	11.954	11.967	11.981	11.994	12.008	12.022	12.035	12.049	12.063	12.077
1 120	12.090	12.104	12.118	12.131	12.145	12.159	12.173	12.186	12.200	12.214
1 130	12.227	12.241	12.254	12.268	12.282	12.296	12.310	12.323	12.337	12.351

クロメル-アルメルの規準熱起電力表 (J I S C 1602-1981)

Chromel - Alumel

単位 μV

温度 ($^{\circ}\text{C}$)	0	-1	-2	-3	-4	-5	-6	-7	-8	-9	温度 ($^{\circ}\text{C}$)
-270	-6458										-270
-260	-6441	-6444	-6446	-6448	-6450	-6452	-6453	-6455	-6456	-6457	-260
-250	-6404	-6408	-6413	-6417	-6421	-6425	-6429	-6432	-6435	-6438	-250
-240	-6344	-6351	-6358	-6364	-6371	-6377	-6382	-6388	-6394	-6399	-240
-230	-6262	-6271	-6280	-6289	-6297	-6306	-6314	-6322	-6329	-6337	-230
-220	-6158	-6170	-6181	-6192	-6202	-6213	-6223	-6233	-6243	-6253	-220
-210	-6035	-6048	-6061	-6074	-6087	-6099	-6111	-6123	-6135	-6147	-210
-200	-5891	-5907	-5922	-5936	-5951	-5965	-5980	-5994	-6007	-6021	-200
-190	-5730	-5747	-5763	-5780	-5796	-5813	-5829	-5845	-5860	-5876	-190
-180	-5550	-5569	-5587	-5606	-5624	-5642	-5660	-5678	-5695	-5712	-180
-170	-5354	-5374	-5394	-5414	-5434	-5454	-5474	-5493	-5512	-5531	-170
-160	-5141	-5163	-5185	-5207	-5228	-5249	-5271	-5292	-5313	-5333	-160
-150	-4912	-4936	-4959	-4983	-5006	-5029	-5051	-5074	-5097	-5119	-150
-140	-4669	-4694	-4719	-4743	-4768	-4792	-4817	-4841	-4865	-4889	-140
-130	-4410	-4437	-4463	-4489	-4515	-4541	-4567	-4593	-4618	-4644	-130
-120	-4138	-4166	-4193	-4221	-4248	-4276	-4303	-4330	-4357	-4384	-120
-110	-3852	-3881	-3910	-3939	-3968	-3997	-4025	-4053	-4082	-4110	-110
-100	-3553	-3584	-3614	-3644	-3674	-3704	-3734	-3764	-3793	-3823	-100
-90	-3242	-3274	-3305	-3337	-3368	-3399	-3430	-3461	-3492	-3523	-90
-80	-2920	-2953	-2985	-3018	-3050	-3082	-3115	-3147	-3179	-3211	-80
-70	-2586	-2620	-2654	-2687	-2721	-2754	-2788	-2821	-2854	-2887	-70
-60	-2243	-2277	-2312	-2347	-2381	-2416	-2450	-2484	-2518	-2552	-60
-50	-1889	-1925	-1961	-1996	-2032	-2067	-2102	-2137	-2173	-2208	-50
-40	-1527	-1563	-1600	-1636	-1673	-1709	-1745	-1781	-1817	-1853	-40
-30	-1156	-1193	-1231	-1268	-1305	-1342	-1379	-1416	-1453	-1490	-30
-20	-777	-816	-854	-892	-930	-968	-1005	-1043	-1081	-1118	-20
-10	-392	-431	-469	-508	-547	-585	-624	-662	-701	-739	-10
0	0	-39	-79	-118	-157	-197	-236	-275	-314	-353	0
温度 ($^{\circ}\text{C}$)	0	1	2	3	4	5	6	7	8	9	温度 ($^{\circ}\text{C}$)
0	0	39	79	119	158	198	238	277	317	357	0
10	397	437	477	517	557	597	637	677	718	758	10
20	798	838	879	919	960	1000	1041	1081	1122	1162	20
30	1203	1244	1285	1325	1366	1407	1448	1489	1529	1570	30
40	1611	1652	1693	1734	1776	1817	1858	1899	1940	1981	40
50	2022	2064	2105	2146	2188	2229	2270	2312	2353	2394	50
60	2436	2477	2519	2560	2601	2643	2684	2726	2767	2809	60
70	2850	2892	2933	2975	3016	3058	3100	3141	3183	3224	70
80	3266	3307	3349	3390	3432	3473	3515	3556	3598	3639	80
90	3681	3722	3764	3805	3847	3888	3930	3971	4012	4054	90
100	4095	4137	4178	4219	4261	4302	4343	4384	4426	4467	100
110	4508	4549	4590	4632	4673	4714	4755	4796	4837	4878	110
120	4919	4960	5001	5042	5083	5124	5164	5205	5246	5287	120
130	5327	5368	5409	5450	5491	5531	5571	5612	5652	5693	130
140	5733	5774	5814	5855	5895	5936	5976	6016	6057	6097	140
150	6137	6177	6218	6258	6298	6338	6378	6419	6459	6499	150
160	6539	6579	6619	6659	6699	6739	6779	6819	6859	6899	160
170	6939	6979	7019	7059	7099	7139	7179	7219	7259	7299	170
180	7338	7378	7418	7458	7498	7538	7578	7618	7658	7697	180
190	7737	7777	7817	7857	7897	7937	7977	8017	8057	8097	190

(つづき) CONT

単位 μV

温度 ($^{\circ}\text{C}$)	0	1	2	3	4	5	6	7	8	9	温度 ($^{\circ}\text{C}$)
200	8137	8177	8216	8256	8296	8336	8376	8416	8456	8497	200
210	8537	8577	8617	8657	8697	8737	8777	8817	8857	8898	210
220	8938	8978	9018	9058	9099	9139	9179	9220	9260	9300	220
230	9341	9381	9421	9462	9502	9543	9583	9624	9664	9705	230
240	9745	9786	9826	9867	9907	9948	9989	10029	10070	10111	240
250	10151	10192	10233	10274	10315	10355	10396	10437	10478	10519	250
260	10560	10600	10641	10682	10723	10764	10805	10846	10887	10928	260
270	10969	11010	11051	11093	11134	11175	11216	11257	11298	11339	270
280	11381	11422	11463	11504	11546	11587	11628	11669	11711	11752	280
290	11793	11835	11876	11918	11959	12000	12042	12083	12125	12166	290
300	12207	12249	12290	12332	12373	12415	12456	12498	12539	12581	300
310	12623	12664	12706	12747	12789	12831	12872	12914	12955	12997	310
320	13039	13080	13122	13164	13205	13247	13289	13331	13372	13414	320
330	13456	13497	13539	13581	13623	13665	13706	13748	13790	13832	330
340	13874	13915	13957	13999	14041	14083	14125	14167	14208	14250	340
350	14292	14334	14376	14418	14460	14502	14544	14586	14628	14670	350
360	14712	14754	14796	14838	14880	14922	14964	15006	15048	15090	360
370	15132	15174	15216	15258	15300	15342	15384	15426	15468	15510	370
380	15552	15594	15636	15679	15721	15763	15805	15847	15889	15931	380
390	15974	16016	16058	16100	16142	16184	16227	16269	16311	16353	390
400	16395	16438	16480	16522	16564	16607	16649	16691	16733	16776	400
410	16818	16860	16902	16945	16987	17029	17072	17114	17156	17199	410
420	17241	17283	17326	17368	17410	17453	17495	17537	17580	17622	420
430	17664	17707	17749	17792	17834	17876	17919	17961	18004	18046	430
440	18088	18131	18173	18216	18258	18301	18343	18385	18428	18470	440
450	18513	18555	18598	18640	18683	18725	18768	18810	18853	18895	450
460	18938	18980	19023	19065	19108	19150	19193	19235	19278	19320	460
470	19363	19405	19448	19490	19533	19576	19618	19661	19703	19746	470
480	19788	19831	19873	19916	19959	20001	20044	20086	20129	20172	480
490	20214	20257	20299	20342	20385	20427	20470	20512	20555	20598	490
500	20640	20683	20725	20768	20811	20853	20896	20938	20981	21024	500
510	21066	21109	21152	21194	21237	21280	21322	21365	21407	21450	510
520	21493	21535	21578	21621	21663	21706	21749	21791	21834	21876	520
530	21919	21962	22004	22047	22090	22132	22175	22218	22260	22303	530
540	22346	22388	22431	22473	22516	22559	22601	22644	22687	22729	540
550	22772	22815	22857	22900	22942	22985	23028	23070	23113	23156	550
560	23198	23241	23284	23326	23369	23411	23454	23497	23539	23582	560
570	23624	23667	23710	23752	23795	23837	23880	23923	23965	24008	570
580	24050	24093	24136	24178	24221	24263	24306	24348	24391	24434	580
590	24476	24519	24561	24604	24646	24689	24731	24774	24817	24859	590
600	24902	24944	24987	25029	25072	25114	25157	25199	25242	25284	600
610	25327	25369	25412	25454	25497	25539	25582	25624	25666	25709	610
620	25751	25794	25836	25879	25921	25964	26006	26048	26091	26133	620
630	26176	26218	26260	26303	26345	26387	26430	26472	26515	26557	630
640	26599	26642	26684	26726	26769	26811	26853	26896	26938	26980	640
650	27022	27065	27107	27149	27192	27234	27276	27318	27361	27403	650
660	27445	27487	27529	27572	27614	27656	27698	27740	27783	27825	660
670	27867	27909	27951	27993	28035	28078	28120	28162	28204	28246	670
680	28288	28330	28372	28414	28456	28498	28540	28583	28625	28667	680
690	28709	28751	28793	28835	28877	28919	28961	29002	29044	29086	690

(つづき) CONT

単位 μV

温度 ($^{\circ}\text{C}$)	0	1	2	3	4	5	6	7	8	9	温度 ($^{\circ}\text{C}$)
700	29128	29170	29212	29254	29296	29338	29380	29422	29464	29505	700
710	29547	29589	29631	29673	29715	29756	29798	29840	29882	29924	710
720	29965	30007	30049	30091	30132	30174	30216	30257	30299	30341	720
730	30383	30424	30466	30508	30549	30591	30632	30674	30716	30757	730
740	30799	30840	30882	30924	30965	31007	31048	31090	31131	31173	740
750	31214	31256	31297	31339	31380	31422	31463	31504	31546	31587	750
760	31629	31670	31712	31753	31794	31836	31877	31918	31960	32001	760
770	32042	32084	32125	32166	32207	32249	32290	32331	32372	32414	770
780	32455	32496	32537	32578	32619	32661	32702	32743	32784	32825	780
790	32866	32907	32948	32990	33031	33072	33113	33154	33195	33236	790
800	33277	33318	33359	33400	33441	33482	33523	33564	33604	33645	800
810	33686	33727	33768	33809	33850	33891	33931	33972	34013	34054	810
820	34095	34136	34177	34217	34258	34299	34339	34380	34421	34461	820
830	34502	34543	34583	34624	34665	34705	34746	34787	34827	34868	830
840	34909	34949	34990	35030	35071	35111	35152	35192	35233	35273	840
850	35314	35354	35395	35435	35476	35516	35557	35597	35637	35678	850
860	35718	35758	35799	35839	35880	35920	35960	36000	36041	36081	860
870	36121	36162	36202	36242	36282	36323	36363	36403	36443	36483	870
880	36524	36564	36604	36644	36684	36724	36764	36804	36844	36885	880
890	36925	36965	37005	37045	37085	37125	37165	37205	37245	37285	890
900	37325	37365	37405	37445	37484	37524	37564	37604	37644	37684	900
910	37724	37764	37803	37843	37883	37923	37963	38002	38042	38082	910
920	38122	38162	38201	38241	38281	38320	38360	38400	38439	38479	920
930	38519	38558	38598	38638	38677	38717	38756	38796	38836	38875	930
940	38915	38954	38994	39033	39073	39112	39152	39191	39231	39270	940
950	39310	39349	39388	39428	39467	39507	39546	39585	39625	39664	950
960	39703	39743	39782	39821	39861	39900	39939	39979	40018	40057	960
970	40096	40136	40175	40214	40253	40292	40332	40371	40410	40449	970
980	40488	40527	40566	40605	40644	40684	40723	40762	40801	40840	980
990	40879	40918	40957	40996	41035	41074	41113	41152	41191	41230	990
1000	41269	41308	41347	41385	41424	41463	41502	41541	41580	41619	1000
1010	41657	41696	41735	41774	41813	41851	41890	41929	41968	42006	1010
1020	42045	42084	42123	42161	42200	42239	42277	42316	42355	42393	1020
1030	42432	42470	42509	42548	42586	42625	42663	42702	42740	42779	1030
1040	42817	42856	42894	42933	42971	43010	43048	43087	43125	43164	1040
1050	43202	43240	43279	43317	43356	43394	43432	43471	43509	43547	1050
1060	43585	43624	43662	43700	43739	43777	43815	43853	43891	43930	1060
1070	43968	44006	44044	44082	44121	44159	44197	44235	44273	44311	1070
1080	44349	44387	44425	44463	44501	44539	44577	44615	44653	44691	1080
1090	44729	44767	44805	44843	44881	44919	44957	44995	45033	45070	1090
1100	45108	45146	45184	45222	45260	45297	45335	45373	45411	45448	1100
1110	45486	45524	45561	45599	45637	45675	45712	45750	45787	45825	1110
1120	45863	45900	45938	45975	46013	46051	46088	46126	46163	46201	1120
1130	46238	46275	46313	46350	46388	46425	46463	46500	46537	46575	1130
1140	46612	46649	46687	46724	46761	46799	46836	46873	46910	46948	1140
1150	46985	47022	47059	47096	47134	47171	47208	47245	47282	47319	1150
1160	47356	47393	47430	47468	47505	47542	47579	47616	47653	47689	1160
1170	47726	47763	47800	47837	47874	47911	47948	47985	48021	48058	1170
1180	48095	48132	48169	48205	48242	48279	48316	48352	48389	48426	1180
1190	48462	48499	48536	48572	48609	48645	48682	48718	48755	48792	1190

(つづき)

単位 μV

温度 ($^{\circ}\text{C}$)	0	1	2	3	4	5	6	7	8	9	温度 ($^{\circ}\text{C}$)
1200	48828	48865	48901	48937	48974	49010	49047	49083	49120	49156	1200
1210	49192	49229	49265	49301	49338	49374	49410	49446	49483	49519	1210
1220	49555	49591	49627	49663	49700	49736	49772	49808	49844	49880	1220
1230	49916	49952	49988	50024	50060	50096	50132	50168	50204	50240	1230
1240	50276	50311	50347	50383	50419	50455	50491	50526	50562	50598	1240
1250	50633	50669	50705	50741	50776	50812	50847	50883	50919	50954	1250
1260	50990	51025	51061	51096	51132	51167	51203	51238	51274	51309	1260
1270	51344	51380	51415	51450	51486	51521	51556	51592	51627	51662	1270
1280	51697	51733	51768	51803	51838	51873	51908	51943	51979	52014	1280
1290	52049	52084	52119	52154	52189	52224	52259	52294	52329	52364	1290
1300	52398	52433	52468	52503	52538	52573	52608	52642	52677	52712	1300
1310	52747	52781	52816	52851	52886	52920	52955	52989	53024	53059	1310
1320	53093	53128	53162	53197	53232	53266	53301	53335	53370	53404	1320
1330	53439	53473	53507	53542	53576	53611	53645	53679	53714	53748	1330
1340	53782	53817	53851	53885	53920	53954	53988	54022	54057	54091	1340
1350	54125	54159	54193	54228	54262	54296	54330	54364	54398	54432	1350
1360	54466	54501	54535	54569	54603	54637	54671	54705	54739	54773	1360
1370	54807	54841	54875								1370

備考 基準接点の温度は 0°C とする。基準接点の温度を 20°C とするときは、上表の値から $798 \mu\text{V}$ を差し引くものとする。

Remark: The reference junction temperature is 0°C . When it is set to 20°C , $798 \mu\text{V}$ is to be subtracted from above values.