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NORME DE LA CEI

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Couples thermoélectriques

Première partie: Tables de référence

Thermocouples

Part 1: Reference tables

Bureau Central de la Commission Electrotechnique Internationale

1-3, rue de Varembé

Genève, Suisse

Révision de la présente publication

Le contenu technique des publications de la CEI est constamment revu par la Commission afin d'assurer qu'il reflète bien l'état actuel de la technique.

Les renseignements relatifs à ce travail de révision, à l'établissement des éditions révisées et aux mises à jour peuvent être obtenus auprès des Comités nationaux de la CEI et en consultant les documents ci-dessous:

- **Bulletin de la CEI**
- **Rapport d'activité de la CEI**
  Publié annuellement
- **Catalogue des publications de la CEI**
  Publié annuellement

Terminologie utilisée dans la présente publication

Seuls sont définis ici les termes spéciaux se rapportant à la présente publication.

En ce qui concerne la terminologie générale, le lecteur se reportera à la Publication 50 de la CEI: Vocabulaire Electrotechnique International (V.E.I.), qui est établie sous forme de chapitres séparés traitant chacun d'un sujet défini, l'Index général étant publié séparément. Des détails complets sur le V.E.I. peuvent être obtenus sur demande.

Symboles graphiques et littéraux

Seuls les symboles graphiques et littéraux spéciaux sont inclus dans la présente publication.

Le recueil complet des symboles graphiques approuvés par la CEI fait l'objet de la Publication 117 de la CEI.

Les symboles littéraux et autres signes approuvés par la CEI font l'objet de la Publication 27 de la CEI.

Autres publications de la CEI établies par le même Comité d'Etudes

L'attention du lecteur est attirée sur la page 3 de la couverture, qui énumère les autres publications de la CEI préparées par le Comité d'Etudes qui a établi la présente publication.

Revision of this publication

The technical content of IEC publications is kept under constant review by the IEC, thus ensuring that the content reflects current technology.

Information on the work of revision, the issue of revised editions and amendment sheets may be obtained from IEC National Committees and from the following IEC sources:

- **IEC Bulletin**
- **Report on IEC Activities**
  Published yearly
- **Catalogue of IEC Publications**
  Published yearly

Terminology used in this publication

Only special terms required for the purpose of this publication are defined herein.

For general terminology, readers are referred to IEC Publication 50: International Electrotechnical Vocabulary (I.E.V.), which is issued in the form of separate chapters each dealing with a specific field, the General Index being published as a separate booklet. Full details of the I.E.V. will be supplied on request.

Graphical and letter symbols

Only special graphical and letter symbols are included in this publication.

The complete series of graphical symbols approved by the IEC is given in IEC Publication 117.

Letter symbols and other signs approved by the IEC are contained in IEC Publication 27.

Other IEC publications prepared by the same Technical Committee

The attention of readers is drawn to the inside of the back cover, which lists other IEC publications issued by the Technical Committee which has prepared the present publication.

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2) Ces décisions constituent des recommandations internationales et sont agréées comme telles par les Comités nationaux.

3) Dans le but d'encourager l'unification internationale, la CEI exprime le vœu que tous les Comités nationaux adoptent dans leurs règles nationales le texte de la recommandation de la CEI, dans la mesure où les conditions nationales le permettent. Toute divergence entre la recommandation de la CEI et la règle nationale correspondante doit, dans la mesure du possible, être indiquée en termes clairs dans cette dernière.

PRÉFACE

La présente norme a été établie par le Sous-Comité 65B: Eléments des systèmes, du Comité d'Etudes N° 65 de la CEI: Mesure et commande dans les processus industriels.

Un premier projet fut discuté lors de la réunion tenue à Moscou en avril 1975. A la suite de cette réunion, un projet, document 65B(Bureau Central)8, fut soumis à l'approbation des Comités nationaux suivant la Règle des Six Mois en octobre 1975.

Les pays suivants se sont prononcés explicitement en faveur de la publication:

Afrique du Sud (République d')	Israël
Allemagne	Japon
Australie	Pays-Bas
Autriche	Pologne
Belgique	Royaume-Uni
Bulgarie	Suède
Etats-Unis d'Amérique	Suisse
France	Tchécoslovaquie
Hongrie	Turquie
	Yougoslavie

INTERNATIONAL ELECTROTECHNICAL COMMISSION

THERMOCOUPLES
PART 1: REFERENCE TABLES

FOREWORD

1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.

2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.

3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

PREFACE

This standard has been prepared by Sub-Committee 65B: Elements of Systems, of IEC Technical Committee No. 65: Industrial-Process Measurement and Control.

A first draft was discussed at the meeting held in Moscow in April 1975. As a result of this meeting, a draft, Document 65B(Central Office)8, was submitted to the National Committees for approval under the Six Months' Rule in October 1975.

The following countries voted explicitly in favour of publication:

Australia	Netherlands
Austria	Poland
Belgium	South Africa (Republic of)
Bulgaria	Sweden
Czechoslovakia	Switzerland
France	Turkey
Germany	United Kingdom
Hungary	United States of America
Israel	Yugoslavia
Japan	

COUPLES THERMOÉLECTRIQUES
PREMIÈRE PARTIE: TABLES DE RÉFÉRENCE

1. Domaine

Cette norme donne des tables de référence destinées à convertir les forces électromotrices de couples thermoélectriques en températures mesurées correspondantes ou à effectuer la conversion inverse.

Les expressions polynomiales dont proviennent ces tables ont été incluses en annexe, aucune indication d'approximation n'est donc donnée. Les différences entre les résultats obtenus en utilisant directement ces expressions seront inférieures à l'unité de l'ordre le plus faible.

Cette norme est établie sur la base de l'échelle internationale pratique des températures de 1968 (EIPT 68). Les températures y sont exprimées en degrés Celsius (symbole t_{68}). Les tables qu'elle contient proviennent de travaux expérimentaux effectués par le Conseil National de la Recherche (Canada), le National Physical Laboratory (Royaume-Uni) et le National Bureau of Standards (Etats-Unis); et ne dépendent d'aucune des valeurs de points de référence secondaires de l'EIPT 68.

Cependant si l'on désire étalonner un couple thermoélectrique en utilisant certains de ces points, les températures qui leur sont affectées dans l'édition de l'EIPT 68 en vigueur lors de l'étalonnage seraient utilisées.

2. Code littéral des types de couples thermoélectriques

Les lettres suivantes sont attribuées aux combinaisons de couples thermoélectriques:

Lettre	*Type de couple thermoélectrique*
R	Platine-13% Rhodium/Platine
S	Platine-10% Rhodium/Platine
B	Platine-30% Rhodium/Platine-6% Rhodium
J	Fer/Cuivre-Nickel
T	Cuivre/Cuivre-Nickel
E	Nickel-Chrome/Cuivre-Nickel
K	Nickel-Chrome/Nickel-Aluminium

Lorsqu'on désigne des couples thermoélectriques de métal ordinaire ou précieux par des compositions nominales, l'élément positif doit être annoncé le premier.

THERMOCOUPLES
PART 1: REFERENCE TABLES

1. Scope

This standard provides thermocouple reference tables for use in converting thermocouple voltages into their equivalent measured temperatures and vice versa.

The polynominal equations from which the tables are derived have been included in the Appendix, hence no tolerances are given. Any error obtained by using these equations directly will be less than one in the last place.

This standard is based upon the International Practical Temperature Scale of 1968 (IPTS—68). Temperatures are expressed in degrees Celsius (symbol t_{68}). The tables which it contains are derived from experimental work carried out by the National Research Council (Canada), the National Physical Laboratory (U.K.), and the National Bureau of Standards (U.S.A.), and are not dependent upon any particular values of the secondary reference points included with IPTS—68.

However, if it is desired to calibrate a thermocouple using some of these secondary reference points, then the temperatures assigned to them in the edition of IPTS—68 current at the time the calibration is being carried out should be used.

2. Thermocouple type letter designations

The following letter designations are established for the thermocouple wire combinations:

Letter	*Thermocouple type*
R	Platinum-13% Rhodium/Platinum
S	Platinum-10% Rhodium/Platinum
B	Platinum-30% Rhodium/Platinum-6% Rhodium
J	Iron/Copper-Nickel
T	Copper/Copper-Nickel
E	Nickel-Chromium/Copper-Nickel
K	Nickel-Chromium/Nickel-Aluminium

When identifying noble or base metal thermocouples by these nominal alloy combinations, the positive leg should be listed first.

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3. **Platine-13% Rhodium/Platine (Type R)**

Ces tables sont données pour des couples thermoélectriques constitués par du platine pur (–) et d'un alliage de platine (+) dont la teneur en rhodium est aussi voisine que possible de 13% par poids.

3. **Platinum-13% Rhodium/Platinum (Type R)**

These references tables are given for thermocouples made from pure platinum (–) and an alloy of platinum (+) with a composition as close as possible to 13% rhodium by weight.

Platine-13% Rhodium/Platine — TYPE R — Platinum-13% Rhodium/Platinum

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

E/μV

t_{68}/°C	0	−1	−2	−3	−4	−5	−6	−7	−8	−9	t_{68}/°C
−50	−226										−50
−40	−188	−192	−196	−200	−204	−207	−211	−215	−219	−223	−40
−30	−145	−150	−154	−158	−163	−167	−171	−175	−180	−184	−30
−20	−100	−105	−109	−114	−119	−123	−128	−132	−137	−141	−20
−10	−51	−56	−61	−66	−71	−76	−81	−86	−91	−95	−10
0	0	−5	−11	−16	−21	−26	−31	−36	−41	−46	0

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
0	0	5	11	16	21	27	32	38	43	49	0
10	54	60	65	71	77	82	88	94	100	105	10
20	111	117	123	129	135	141	147	152	158	165	20
30	171	177	183	189	195	201	207	214	220	226	30
40	232	239	245	251	258	264	271	277	283	290	40
50	296	303	310	316	323	329	336	343	349	356	50
60	363	369	376	383	390	397	403	410	417	424	60
70	431	438	445	452	459	466	473	480	487	494	70
80	501	508	515	523	530	537	544	552	559	566	80
90	573	581	588	595	603	610	617	625	632	640	90
100	647	655	662	670	677	685	692	700	708	715	100
110	723	730	738	746	754	761	769	777	784	792	110
120	800	808	816	824	831	839	847	855	863	871	120
130	879	887	895	903	911	919	927	935	943	951	130
140	959	967	975	983	992	1000	1008	1016	1024	1032	140
150	1041	1049	1057	1065	1074	1082	1090	1099	1107	1115	150
160	1124	1132	1140	1149	1157	1166	1174	1183	1191	1200	160
170	1208	1217	1225	1234	1242	1251	1259	1268	1276	1285	170
180	1294	1302	1311	1319	1328	1337	1345	1354	1363	1372	180
190	1380	1389	1398	1407	1415	1424	1433	1442	1450	1459	190

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

E/μV

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
200	1468	1477	1486	1495	1504	1512	1521	1530	1539	1548	**200**
210	1557	1566	1575	1584	1593	1602	1611	1620	1629	1638	**210**
220	1647	1656	1665	1674	1683	1692	1702	1711	1720	1729	**220**
230	1738	1747	1756	1766	1775	1784	1793	1802	1812	1821	**230**
240	1830	1839	1849	1858	1867	1876	1886	1895	1904	1914	**240**
250	1923	1932	1942	1951	1960	1970	1979	1988	1998	2007	**250**
260	2017	2026	2036	2045	2054	2064	2073	2083	2092	2102	**260**
270	2111	2121	2130	2140	2149	2159	2169	2178	2188	2197	**270**
280	2207	2216	2226	2236	2245	2255	2264	2274	2284	2293	**280**
290	2303	2313	2322	2332	2342	2351	2361	2371	2381	2390	**290**
300	2400	2410	2420	2429	2439	2449	2459	2468	2478	2488	**300**
310	2498	2508	2517	2527	2537	2547	2557	2567	2577	2586	**310**
320	2596	2606	2616	2626	2636	2646	2656	2666	2676	2685	**320**
330	2695	2705	2715	2725	2735	2745	2755	2765	2775	2785	**330**
340	2795	2805	2815	2825	2835	2845	2855	2866	2876	2886	**340**
350	2896	2906	2916	2926	2936	2946	2956	2966	2977	2987	**350**
360	2997	3007	3017	3027	3037	3048	3058	3068	3078	3088	**360**
370	3099	3109	3119	3129	3139	3150	3160	3170	3180	3191	**370**
380	3201	3211	3221	3232	3242	3252	3263	3273	3283	3293	**380**
390	3304	3314	3324	3335	3345	3355	3366	3376	3386	3397	**390**
400	3407	3418	3428	3438	3449	3459	3470	3480	3490	3501	**400**
410	3511	3522	3532	3543	3553	3563	3574	3584	3595	3605	**410**
420	3616	3626	3637	3647	3658	3668	3679	3689	3700	3710	**420**
430	3721	3731	3742	3752	3763	3774	3784	3795	3805	3816	**430**
440	3826	3837	3848	3858	3869	3879	3890	3901	3911	3922	**440**
450	3933	3943	3954	3964	3975	3986	3996	4007	4018	4028	**450**
460	4039	4050	4061	4071	4082	4093	4103	4114	4125	4136	**460**
470	4146	4157	4168	4178	4189	4200	4211	4222	4232	4243	**470**
480	4254	4265	4275	4286	4297	4308	4319	4329	4340	4351	**480**
490	4362	4373	4384	4394	4405	4416	4427	4438	4449	4460	**490**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

E/μV

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
500	4471	4481	4492	4503	4514	4525	4536	4547	4558	4569	**500**
510	4580	4591	4601	4612	4623	4634	4645	4656	4667	4678	**510**
520	4689	4700	4711	4722	4733	4744	4755	4766	4777	4788	**520**
530	4799	4810	4821	4832	4843	4854	4865	4876	4888	4899	**530**
540	4910	4921	4932	4943	4954	4965	4976	4987	4998	5009	**540**
550	5021	5032	5043	5054	5065	5076	5087	5099	5110	5121	**550**
560	5132	5143	5154	5166	5177	5188	5199	5210	5221	5233	**560**
570	5244	5255	5266	5278	5289	5300	5311	5322	5334	5345	**570**
580	5356	5368	5379	5390	5401	5413	5424	5435	5446	5458	**580**
590	5469	5480	5492	5503	5514	5526	5537	5548	5560	5571	**590**
600	5582	5594	5605	5616	5628	5639	5650	5662	5673	5685	**600**
610	5696	5707	5719	5730	5742	5753	5764	5776	5787	5799	**610**
620	5810	5821	5833	5844	5856	5867	5879	5890	5902	5913	**620**
630	5925	5936	5948	5959	5971	5982	5994	6005	6017	6028	**630**
640	6040	6051	6063	6074	6086	6098	6109	6121	6132	6144	**640**
650	6155	6167	6179	6190	6202	6213	6225	6237	6248	6260	**650**
660	6272	6283	6295	6307	6318	6330	6342	6353	6365	6377	**660**
670	6388	6400	6412	6423	6435	6447	6458	6470	6482	6494	**670**
680	6505	6517	6529	6541	6552	6564	6576	6588	6599	6611	**680**
690	6623	6635	6647	6658	6670	6682	6694	6706	6718	6729	**690**
700	6741	6753	6765	6777	6789	6800	6812	6824	6836	6848	**700**
710	6860	6872	6884	6895	6907	6919	6931	6943	6955	6967	**710**
720	6979	6991	7003	7015	7027	7039	7051	7063	7074	7086	**720**
730	7098	7110	7122	7134	7146	7158	7170	7182	7194	7206	**730**
740	7218	7231	7243	7255	7267	7279	7291	7303	7315	7327	**740**
750	7339	7351	7363	7375	7387	7399	7412	7424	7436	7448	**750**
760	7460	7472	7484	7496	7509	7521	7533	7545	7557	7569	**760**
770	7582	7594	7606	7618	7630	7642	7655	7667	7679	7691	**770**
780	7703	7716	7728	7740	7752	7765	7777	7789	7801	7814	**780**
790	7826	7838	7850	7863	7875	7887	7900	7912	7924	7937	**790**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
800	7949	7961	7973	7986	7998	8010	8023	8035	8047	8060	**800**
810	8072	8085	8097	8109	8122	8134	8146	8159	8171	8184	**810**
820	8196	8208	8221	8233	8246	8258	8271	8283	8295	8308	**820**
830	8320	8333	8345	8358	8370	8383	8395	8408	8420	8433	**830**
840	8445	8458	8470	8483	8495	8508	8520	8533	8545	8558	**840**
850	8570	8583	8595	8608	8621	8633	8646	8658	8671	8683	**850**
860	8696	8709	8721	8734	8746	8759	8772	8784	8797	8810	**860**
870	8822	8835	8847	8860	8873	8885	8898	8911	8923	8936	**870**
880	8949	8961	8974	8987	9000	9012	9025	9038	9050	9063	**880**
890	9076	9089	9101	9114	9127	9140	9152	9165	9178	9191	**890**
900	9203	9216	9229	9242	9254	9267	9280	9293	9306	9319	**900**
910	9331	9344	9357	9370	9383	9395	9408	9421	9434	9447	**910**
920	9460	9473	9485	9498	9511	9524	9537	9550	9563	9576	**920**
930	9589	9602	9614	9627	9640	9653	9666	9679	9692	9705	**930**
940	9718	9731	9744	9757	9770	9783	9796	9809	9822	9835	**940**
950	9848	9861	9874	9887	9900	9913	9926	9939	9952	9965	**950**
960	9978	9991	10004	10017	10030	10043	10056	10069	10082	10095	**960**
970	10109	10122	10135	10148	10161	10174	10187	10200	10213	10227	**970**
980	10240	10253	10266	10279	10292	10305	10319	10332	10345	10358	**980**
990	10371	10384	10398	10411	10424	10437	10450	10464	10477	10490	**990**
1000	10503	10516	10530	10543	10556	10569	10583	10596	10609	10622	**1000**
1010	10636	10649	10662	10675	10689	10702	10715	10729	10742	10755	**1010**
1020	10768	10782	10795	10808	10822	10835	10848	10862	10875	10888	**1020**
1030	10902	10915	10928	10942	10955	10968	10982	10995	11009	11022	**1030**
1040	11035	11049	11062	11076	11089	11102	11116	11129	11143	11156	**1040**
1050	11170	11183	11196	11210	11223	11237	11250	11264	11277	11291	**1050**
1060	11304	11318	11331	11345	11358	11372	11385	11399	11412	11426	**1060**
1070	11439	11453	11466	11480	11493	11507	11520	11534	11547	11561	**1070**
1080	11574	11588	11602	11615	11629	11642	11656	11669	11683	11697	**1080**
1090	11710	11724	11737	11751	11765	11778	11792	11805	11819	11833	**1090**

Platine-13% Rhodium/Platine *(suite)* TYPE R Platinum-13% Rhodium/Platinum *(continued)*

Force électromotrice en fonction de la température Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
1100	11846	11860	11874	11887	11901	11914	11928	11942	11955	11969	**1100**
1110	11983	11996	12010	12024	12037	12051	12065	12078	12092	12106	**1110**
1120	12119	12133	12147	12161	12174	12188	12202	12215	12229	12243	**1120**
1130	12257	12270	12284	12298	12311	12325	12339	12353	12366	12380	**1130**
1140	12394	12408	12421	12435	12449	12463	12476	12490	12504	12518	**1140**
1150	12532	12545	12559	12573	12587	12600	12614	12628	12642	12656	**1150**
1160	12669	12683	12697	12711	12725	12739	12752	12766	12780	12794	**1160**
1170	12808	12822	12835	12849	12863	12877	12891	12905	12918	12932	**1170**
1180	12946	12960	12974	12988	13002	13016	13029	13043	13057	13071	**1180**
1190	13085	13099	13113	13127	13140	13154	13168	13182	13196	13210	**1190**
1200	13224	13238	13252	13266	13280	13293	13307	13321	13335	13349	**1200**
1210	13363	13377	13391	13405	13419	13433	13447	13461	13475	13489	**1210**
1220	13502	13516	13530	13544	13558	13572	13586	13600	13614	13628	**1220**
1230	13642	13656	13670	13684	13698	13712	13726	13740	13754	13768	**1230**
1240	13782	13796	13810	13824	13838	13852	13866	13880	13894	13908	**1240**
1250	13922	13936	13950	13964	13978	13992	14006	14020	14034	14048	**1250**
1260	14062	14076	14090	14104	14118	14132	14146	14160	14174	14188	**1260**
1270	14202	14216	14230	14244	14258	14272	14286	14301	14315	14329	**1270**
1280	14343	14357	14371	14385	14399	14413	14427	14441	14455	14469	**1280**
1290	14483	14497	14511	14525	14539	14554	14568	14582	14596	14610	**1290**
1300	14624	14638	14652	14666	14680	14694	14708	14722	14737	14751	**1300**
1310	14765	14779	14793	14807	14821	14835	14849	14863	14877	14891	**1310**
1320	14906	14920	14934	14948	14962	14976	14990	15004	15018	15032	**1320**
1330	15047	15061	15075	15089	15103	15117	15131	15145	15159	15173	**1330**
1340	15188	15202	15216	15230	15244	15258	15272	15286	15300	15315	**1340**
1350	15329	15343	15357	15371	15385	15399	15413	15427	15442	15456	**1350**
1360	15470	15484	15498	15512	15526	15540	15555	15569	15583	15597	**1360**
1370	15611	15625	15639	15653	15667	15682	15696	15710	15724	15738	**1370**
1380	15752	15766	15780	15795	15809	15823	15837	15851	15865	15879	**1380**
1390	15893	15908	15922	15936	15950	15964	15978	15992	16006	16021	**1390**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
1400	16035	16049	16063	16077	16091	16105	16119	16134	16148	16162	**1400**
1410	16176	16190	16204	16218	16232	16247	16261	16275	16289	16303	**1410**
1420	16317	16331	16345	16360	16374	16388	16402	16416	16430	16444	**1420**
1430	16458	16472	16487	16501	16515	16529	16543	16557	16571	16585	**1430**
1440	16599	16614	16628	16642	16656	16670	16684	16698	16712	16726	**1440**
1450	16741	16755	16769	16783	16797	16811	16825	16839	16853	16867	**1450**
1460	16882	16896	16910	16924	16938	16952	16966	16980	16994	17008	**1460**
1470	17022	17037	17051	17065	17079	17093	17107	17121	17135	17149	**1470**
1480	17163	17177	17192	17206	17220	17234	17248	17262	17276	17290	**1480**
1490	17304	17318	17332	17346	17360	17374	17388	17403	17417	17431	**1490**
1500	17445	17459	17473	17487	17501	17515	17529	17543	17557	17571	**1500**
1510	17585	17599	17613	17627	17641	17655	17669	17684	17698	17712	**1510**
1520	17726	17740	17754	17768	17782	17796	17810	17824	17838	17852	**1520**
1530	17866	17880	17894	17908	17922	17936	17950	17964	17978	17992	**1530**
1540	18006	18020	18034	18048	18062	18076	18090	18104	18118	18132	**1540**
1550	18146	18160	18174	18188	18202	18216	18230	18244	18258	18272	**1550**
1560	18286	18299	18313	18327	18341	18355	18369	18383	18397	18411	**1560**
1570	18425	18439	18453	18467	18481	18495	18509	18523	18537	18550	**1570**
1580	18564	18578	18592	18606	18620	18634	18648	18662	18676	18690	**1580**
1590	18703	18717	18731	18745	18759	18773	18787	18801	18815	18828	**1590**
1600	18842	18856	18870	18884	18898	18912	18926	18939	18953	18967	**1600**
1610	18981	18995	19009	19023	19036	19050	19064	19078	19092	19106	**1610**
1620	19119	19133	19147	19161	19175	19188	19202	19216	19230	19244	**1620**
1630	19257	19271	19285	19299	19313	19326	19340	19354	19368	19382	**1630**
1640	19395	19409	19423	19437	19450	19464	19478	19492	19505	19519	**1640**
1650	19533	19547	19560	19574	19588	19602	19615	19629	19643	19656	**1650**
1660	19670	19684	19698	19711	19725	19739	19752	19766	19780	19793	**1660**
1670	19807	19821	19834	19848	19862	19875	19889	19903	19916	19930	**1670**
1680	19944	19957	19971	19985	19998	20012	20025	20039	20053	20066	**1680**
1690	20080	20093	20107	20120	20134	20148	20161	20175	20188	20202	**1690**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

E/μV

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
1700	20215	20229	20242	20256	20269	20283	20296	20309	20323	20336	**1700**
1710	20350	20363	20377	20390	20403	20417	20430	20443	20457	20470	**1710**
1720	20483	20497	20510	20523	20537	20550	20563	20576	20590	20603	**1720**
1730	20616	20629	20642	20656	20669	20682	20695	20708	20721	20734	**1730**
1740	20748	20761	20774	20787	20800	20813	20826	20839	20852	20865	**1740**
1750	20878	20891	20904	20916	20929	20942	20955	20968	20981	20994	**1750**
1760	21006	21019	21032	21045	21057	21070	21083	21096	21108	21121	**1760**

Platine-13% Rhodium/Platine — TYPE R — Platinum-13% Rhodium/Platinum

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

t_{68}/°C

E/μV	0	−10	−20	−30	−40	−50	−60	−70	−80	−90	E/μV
−200	−43.1	−45.6	−48.3								−200
−100	−20.0	−22.1	−24.3	−26.5	−28.8	−31.0	−33.4	−35.7	−38.1	−40.6	−100
0	0.0	−1.9	−3.8	−5.8	−7.7	−9.7	−11.7	−13.7	−15.8	−17.9	0

E/μV	0	10	20	30	40	50	60	70	80	90	E/μV
0	0.0	1.9	3.7	5.6	7.4	9.2	11.0	12.8	14.6	16.3	0
100	18.1	19.8	21.5	23.2	24.9	26.6	28.2	29.9	31.5	33.2	100
200	34.8	36.4	38.0	39.6	41.2	42.8	44.4	45.9	47.5	49.0	200
300	50.5	52.1	53.6	55.1	56.6	58.1	59.6	61.1	62.6	64.0	300
400	65.5	67.0	68.4	69.9	71.3	72.7	74.2	75.6	77.0	78.4	400
500	79.8	81.2	82.6	84.0	85.4	86.8	88.2	89.5	90.9	92.3	500
600	93.6	95.0	96.3	97.7	99.0	100.4	101.7	103.0	104.4	105.7	600
700	107.0	108.3	109.6	110.9	112.2	113.5	114.8	116.1	117.4	118.7	700
800	120.0	121.3	122.6	123.8	125.1	126.4	127.6	128.9	130.2	131.4	800
900	132.7	133.9	135.2	136.4	137.6	138.9	140.1	141.4	142.6	143.8	900
1000	145.0	146.3	147.5	148.7	149.9	151.1	152.3	153.5	154.8	156.0	1000
1100	157.2	158.4	159.6	160.8	161.9	163.1	164.3	165.5	166.7	167.9	1100
1200	169.1	170.2	171.4	172.6	173.8	174.9	176.1	177.3	178.4	179.6	1200
1300	180.7	181.9	183.1	184.2	185.4	186.5	187.7	188.8	190.0	191.1	1300
1400	192.3	193.4	194.5	195.7	196.8	197.9	199.1	200.2	201.3	202.5	1400
1500	203.6	204.7	205.8	207.0	208.1	209.2	210.3	211.4	212.6	213.7	1500
1600	214.8	215.9	217.0	218.1	219.2	220.3	221.4	222.5	223.6	224.7	1600
1700	225.8	226.9	228.0	229.1	230.2	231.3	232.4	233.5	234.6	235.7	1700
1800	236.7	237.8	238.9	240.0	241.1	242.2	243.2	244.3	245.4	246.5	1800
1900	247.5	248.6	249.7	250.8	251.8	252.9	254.0	255.0	256.1	257.2	1900

Platine-13% Rhodium/Platine *(suite)* TYPE R Platinum-13% Rhodium/Platinum *(continued)*

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
2000	258.2	259.3	260.4	261.4	262.5	263.5	264.6	265.6	266.7	267.8	2000
2100	268.8	269.9	270.9	272.0	273.0	274.1	275.1	276.2	277.2	278.2	2100
2200	279.3	280.3	281.4	282.4	283.5	284.5	285.5	286.6	287.6	288.7	2200
2300	289.7	290.7	291.8	292.8	293.8	294.9	295.9	296.9	297.9	299.0	2300
2400	300.0	301.0	302.0	303.1	304.1	305.1	306.1	307.2	308.2	309.2	2400
2500	310.2	311.2	312.3	313.3	314.3	315.3	316.3	317.3	318.4	319.4	2500
2600	320.4	321.4	322.4	323.4	324.4	325.4	326.4	327.4	328.4	329.5	2600
2700	330.5	331.5	332.5	333.5	334.5	335.5	336.5	337.5	338.5	339.5	2700
2800	340.5	341.5	342.5	343.5	344.5	345.5	346.5	347.4	348.4	349.4	2800
2900	350.4	351.4	352.4	353.4	354.4	355.4	356.4	357.4	358.3	359.3	2900
3000	360.3	361.3	362.3	363.3	364.3	365.2	366.2	367.2	368.2	369.2	3000
3100	370.1	371.1	372.1	373.1	374.1	375.0	376.0	377.0	378.0	378.9	3100
3200	379.9	380.9	381.9	382.8	383.8	384.8	385.8	386.7	387.7	388.7	3200
3300	389.6	390.6	391.6	392.5	393.5	394.5	395.4	396.4	397.4	398.3	3300
3400	399.3	400.3	401.2	402.2	403.2	404.1	405.1	406.0	407.0	408.0	3400
3500	408.9	409.9	410.8	411.8	412.8	413.7	414.7	415.6	416.6	417.5	3500
3600	418.5	419.5	420.4	421.4	422.3	423.3	424.2	425.2	426.1	427.1	3600
3700	428.0	429.0	429.9	430.9	431.8	432.8	433.7	434.7	435.6	436.6	3700
3800	437.5	438.4	439.4	440.3	441.3	442.2	443.2	444.1	445.1	446.0	3800
3900	446.9	447.9	448.8	449.8	450.7	451.6	452.6	453.5	454.5	455.4	3900
4000	456.3	457.3	458.2	459.1	460.1	461.0	462.0	462.9	463.8	464.8	4000
4100	465.7	466.6	467.6	468.5	469.4	470.3	471.3	472.2	473.1	474.1	4100
4200	475.0	475.9	476.9	477.8	478.7	479.6	480.6	481.5	482.4	483.3	4200
4300	484.3	485.2	486.1	487.0	488.0	488.9	489.8	490.7	491.7	492.6	4300
4400	493.5	494.4	495.4	496.3	497.2	498.1	499.0	499.9	500.9	501.8	4400
4500	502.7	503.6	504.5	505.5	506.4	507.3	508.2	509.1	510.0	510.9	4500
4600	511.9	512.8	513.7	514.6	515.5	516.4	517.3	518.3	519.2	520.1	4600
4700	521.0	521.9	522.8	523.7	524.6	525.5	526.4	527.4	528.3	529.2	4700
4800	530.1	531.0	531.9	532.8	533.7	534.6	535.5	536.4	537.3	538.2	4800
4900	539.1	540.0	540.9	541.8	542.7	543.6	544.5	545.4	546.3	547.2	4900

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
5000	548.1	549.0	549.9	550.8	551.7	552.6	553.5	554.4	555.3	556.2	**5000**
5100	557.1	558.0	558.9	559.8	560.7	561.6	562.5	563.4	564.3	565.2	**5100**
5200	566.1	567.0	567.9	568.8	569.7	570.5	571.4	572.3	573.2	574.1	**5200**
5300	575.0	575.9	576.8	577.7	578.6	579.4	580.3	581.2	582.1	583.0	**5300**
5400	583.9	584.8	585.7	586.5	587.4	588.3	589.2	590.1	591.0	591.9	**5400**
5500	592.7	593.6	594.5	595.4	596.3	597.2	598.0	598.9	599.8	600.7	**5500**
5600	601.6	602.4	603.3	604.2	605.1	606.0	606.8	607.7	608.6	609.5	**5600**
5700	610.4	611.2	612.1	613.0	613.9	614.7	615.6	616.5	617.4	618.2	**5700**
5800	619.1	620.0	620.9	621.7	622.6	623.5	624.4	625.2	626.1	627.0	**5800**
5900	627.9	628.7	629.6	630.5	631.3	632.2	633.1	633.9	634.8	635.7	**5900**
6000	636.6	637.4	638.3	639.2	640.0	640.9	641.8	642.6	643.5	644.3	**6000**
6100	645.2	646.1	646.9	647.8	648.7	649.5	650.4	651.3	652.1	653.0	**6100**
6200	653.8	654.7	655.6	656.4	657.3	658.1	659.0	659.9	660.7	661.6	**6200**
6300	662.4	663.3	664.2	665.0	665.9	666.7	667.6	668.4	669.3	670.1	**6300**
6400	671.0	671.9	672.7	673.6	674.4	675.3	676.1	677.0	677.8	678.7	**6400**
6500	679.5	680.4	681.2	682.1	682.9	683.8	684.6	685.5	686.3	687.2	**6500**
6600	688.0	688.9	689.7	690.6	691.4	692.3	693.1	694.0	694.8	695.7	**6600**
6700	696.5	697.4	698.2	699.1	699.9	700.7	701.6	702.4	703.3	704.1	**6700**
6800	705.0	705.8	706.7	707.5	708.3	709.2	710.0	710.9	711.7	712.5	**6800**
6900	713.4	714.2	715.1	715.9	716.7	717.6	718.4	719.3	720.1	720.9	**6900**
7000	721.8	722.6	723.4	724.3	725.1	726.0	726.8	727.6	728.5	729.3	**7000**
7100	730.1	731.0	731.8	732.6	733.5	734.3	735.1	736.0	736.8	737.6	**7100**
7200	738.5	739.3	740.1	741.0	741.8	742.6	743.4	744.3	745.1	745.9	**7200**
7300	746.8	747.6	748.4	749.3	750.1	750.9	751.7	752.6	753.4	754.2	**7300**
7400	755.0	755.9	756.7	757.5	758.3	759.2	760.0	760.8	761.6	762.5	**7400**
7500	763.3	764.1	764.9	765.8	766.6	767.4	768.2	769.1	769.9	770.7	**7500**
7600	771.5	772.3	773.2	774.0	774.8	775.6	776.4	777.3	778.1	778.9	**7600**
7700	779.7	780.5	781.4	782.2	783.0	783.8	784.6	785.4	786.3	787.1	**7700**
7800	787.9	788.7	789.5	790.3	791.1	792.0	792.8	793.6	794.4	795.2	**7800**
7900	796.0	796.8	797.7	798.5	799.3	800.1	800.9	801.7	802.5	803.3	**7900**

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
8000	804.2	805.0	805.8	806.6	807.4	808.2	809.0	809.8	810.6	811.4	**8000**
8100	812.2	813.1	813.9	814.7	815.5	816.3	817.1	817.9	818.7	819.5	**8100**
8200	820.3	821.1	821.9	822.7	823.5	824.3	825.2	826.0	826.8	827.6	**8200**
8300	828.4	829.2	830.0	830.8	831.6	832.4	833.2	834.0	834.8	835.6	**8300**
8400	836.4	837.2	838.0	838.8	839.6	840.4	841.2	842.0	842.8	843.6	**8400**
8500	844.4	845.2	846.0	846.8	847.6	848.4	849.2	850.0	850.8	851.6	**8500**
8600	852.4	853.2	854.0	854.8	855.5	856.3	857.1	857.9	858.7	859.5	**8600**
8700	860.3	861.1	861.9	862.7	863.5	864.3	865.1	865.9	866.7	867.5	**8700**
8800	868.2	869.0	869.8	870.6	871.4	872.2	873.0	873.8	874.6	875.4	**8800**
8900	876.2	876.9	877.7	878.5	879.3	880.1	880.9	881.7	882.5	883.2	**8900**
9000	884.0	884.8	885.6	886.4	887.2	888.0	888.8	889.5	890.3	891.1	**9000**
9100	891.9	892.7	893.5	894.3	895.0	895.8	896.6	897.4	898.2	899.0	**9100**
9200	899.7	900.5	901.3	902.1	902.9	903.6	904.4	905.2	906.0	906.8	**9200**
9300	907.6	908.3	909.1	909.9	910.7	911.5	912.2	913.0	913.8	914.6	**9300**
9400	915.4	916.1	916.9	917.7	918.5	919.2	920.0	920.8	921.6	922.4	**9400**
9500	923.1	923.9	924.7	925.5	926.2	927.0	927.8	928.6	929.3	930.1	**9500**
9600	930.9	931.7	932.4	933.2	934.0	934.8	935.5	936.3	937.1	937.8	**9600**
9700	938.6	939.4	940.2	940.9	941.7	942.5	943.2	944.0	944.8	945.6	**9700**
9800	946.3	947.1	947.9	948.6	949.4	950.2	950.9	951.7	952.5	953.3	**9800**
9900	954.0	954.8	955.6	956.3	957.1	957.9	958.6	959.4	960.2	960.9	**9900**
10000	961.7	962.5	963.2	964.0	964.8	965.5	966.3	967.1	967.8	968.6	**10000**
10100	969.3	970.1	970.9	971.6	972.4	973.2	973.9	974.7	975.5	976.2	**10100**
10200	977.0	977.7	978.5	979.3	980.0	980.8	981.5	982.3	983.1	983.8	**10200**
10300	984.6	985.4	986.1	986.9	987.6	988.4	989.2	989.9	990.7	991.4	**10300**
10400	992.2	992.9	993.7	994.5	995.2	996.0	996.7	997.5	998.2	999.0	**10400**
10500	999.8	1000.5	1001.3	1002.0	1002.8	1003.5	1004.3	1005.1	1005.8	1006.6	**10500**
10600	1007.3	1008.1	1008.8	1009.6	1010.3	1011.1	1011.8	1012.6	1013.3	1014.1	**10600**
10700	1014.9	1015.6	1016.4	1017.1	1017.9	1018.6	1019.4	1020.1	1020.9	1021.6	**10700**
10800	1022.4	1023.1	1023.9	1024.6	1025.4	1026.1	1026.9	1027.6	1028.4	1029.1	**10800**
10900	1029.9	1030.6	1031.4	1032.1	1032.9	1033.6	1034.4	1035.1	1035.9	1036.6	**10900**

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

t_{68}/°C

E/μV	0	10	20	30	40	50	60	70	80	90	E/μV
11000	1037.4	1038.1	1038.9	1039.6	1040.3	1041.1	1041.8	1042.6	1043.3	1044.1	**11000**
11100	1044.8	1045.6	1046.3	1047.1	1047.8	1048.5	1049.3	1050.0	1050.8	1051.5	**11100**
11200	1052.3	1053.0	1053.8	1054.5	1055.2	1056.0	1056.7	1057.5	1058.2	1059.0	**11200**
11300	1059.7	1060.4	1061.2	1061.9	1062.7	1063.4	1064.1	1064.9	1065.6	1066.4	**11300**
11400	1067.1	1067.8	1068.6	1069.3	1070.1	1070.8	1071.5	1072.3	1073.0	1073.8	**11400**
11500	1074.5	1075.2	1076.0	1076.7	1077.5	1078.2	1078.9	1079.7	1080.4	1081.1	**11500**
11600	1081.9	1082.6	1083.4	1084.1	1084.8	1085.6	1086.3	1087.0	1087.8	1088.5	**11600**
11700	1089.3	1090.0	1090.7	1091.5	1092.2	1092.9	1093.7	1094.4	1095.1	1095.9	**11700**
11800	1096.6	1097.3	1098.1	1098.8	1099.5	1100.3	1101.0	1101.7	1102.5	1103.2	**11800**
11900	1103.9	1104.7	1105.4	1106.1	1106.9	1107.6	1108.3	1109.1	1109.8	1110.5	**11900**
12000	1111.3	1112.0	1112.7	1113.5	1114.2	1114.9	1115.7	1116.4	1117.1	1117.8	**12000**
12100	1118.6	1119.3	1120.0	1120.8	1121.5	1122.2	1123.0	1123.7	1124.4	1125.2	**12100**
12200	1125.9	1126.6	1127.3	1128.1	1128.8	1129.5	1130.3	1131.0	1131.7	1132.4	**12200**
12300	1133.2	1133.9	1134.6	1135.4	1136.1	1136.8	1137.5	1138.3	1139.0	1139.7	**12300**
12400	1140.4	1141.2	1141.9	1142.6	1143.4	1144.1	1144.8	1145.5	1146.3	1147.0	**12400**
12500	1147.7	1148.4	1149.2	1149.9	1150.6	1151.3	1152.1	1152.8	1153.5	1154.2	**12500**
12600	1155.0	1155.7	1156.4	1157.1	1157.9	1158.6	1159.3	1160.0	1160.8	1161.5	**12600**
12700	1162.2	1162.9	1163.7	1164.4	1165.1	1165.8	1166.6	1167.3	1168.0	1168.7	**12700**
12800	1169.4	1170.2	1170.9	1171.6	1172.3	1173.1	1173.8	1174.5	1175.2	1175.9	**12800**
12900	1176.7	1177.4	1178.1	1178.8	1179.6	1180.3	1181.0	1181.7	1182.4	1183.2	**12900**
13000	1183.9	1184.6	1185.3	1186.0	1186.8	1187.5	1188.2	1188.9	1189.6	1190.4	**13000**
13100	1191.1	1191.8	1192.5	1193.2	1194.0	1194.7	1195.4	1196.1	1196.8	1197.6	**13100**
13200	1198.3	1199.0	1199.7	1200.4	1201.2	1201.9	1202.6	1203.3	1204.0	1204.8	**13200**
13300	1205.5	1206.2	1206.9	1207.6	1208.3	1209.1	1209.8	1210.5	1211.2	1211.9	**13300**
13400	1212.7	1213.4	1214.1	1214.8	1215.5	1216.2	1217.0	1217.7	1218.4	1219.1	**13400**
13500	1219.8	1220.5	1221.3	1222.0	1222.7	1223.4	1224.1	1224.8	1225.6	1226.3	**13500**
13600	1227.0	1227.7	1228.4	1229.1	1229.9	1230.6	1231.3	1232.0	1232.7	1233.4	**13600**
13700	1234.1	1234.9	1235.6	1236.3	1237.0	1237.7	1238.4	1239.2	1239.9	1240.6	**13700**
13800	1241.3	1242.0	1242.7	1243.4	1244.2	1244.9	1245.6	1246.3	1247.0	1247.7	**13800**
13900	1248.4	1249.2	1249.9	1250.6	1251.3	1252.0	1252.7	1253.4	1254.2	1254.9	**13900**

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
14000	1255.6	1256.3	1257.0	1257.7	1258.4	1259.1	1259.9	1260.6	1261.3	1262.0	14000
14100	1262.7	1263.4	1264.1	1264.9	1265.6	1266.3	1267.0	1267.7	1268.4	1269.1	14100
14200	1269.8	1270.6	1271.3	1272.0	1272.7	1273.4	1274.1	1274.8	1275.5	1276.3	14200
14300	1277.0	1277.7	1278.4	1279.1	1279.8	1280.5	1281.2	1281.9	1282.7	1283.4	14300
14400	1284.1	1284.8	1285.5	1286.2	1286.9	1287.6	1288.3	1289.1	1289.8	1290.5	14400
14500	1291.2	1291.9	1292.6	1293.3	1294.0	1294.7	1295.5	1296.2	1296.9	1297.6	14500
14600	1298.3	1299.0	1299.7	1300.4	1301.1	1301.9	1302.6	1303.3	1304.0	1304.7	14600
14700	1305.4	1306.1	1306.8	1307.5	1308.2	1309.0	1309.7	1310.4	1311.1	1311.8	14700
14800	1312.5	1313.2	1313.9	1314.6	1315.3	1316.1	1316.8	1317.5	1318.2	1318.9	14800
14900	1319.6	1320.3	1321.0	1321.7	1322.4	1323.2	1323.9	1324.6	1325.3	1326.0	14900
15000	1326.7	1327.4	1328.1	1328.8	1329.5	1330.2	1331.0	1331.7	1332.4	1333.1	15000
15100	1333.8	1334.5	1335.2	1335.9	1336.6	1337.3	1338.0	1338.8	1339.5	1340.2	15100
15200	1340.9	1341.6	1342.3	1343.0	1343.7	1344.4	1345.1	1345.8	1346.6	1347.3	15200
15300	1348.0	1348.7	1349.4	1350.1	1350.8	1351.5	1352.2	1352.9	1353.6	1354.3	15300
15400	1355.1	1355.8	1356.5	1357.2	1357.9	1358.6	1359.3	1360.0	1360.7	1361.4	15400
15500	1362.1	1362.8	1363.6	1364.3	1365.0	1365.7	1366.4	1367.1	1367.8	1368.5	15500
15600	1369.2	1369.9	1370.6	1371.3	1372.1	1372.8	1373.5	1374.2	1374.9	1375.6	15600
15700	1376.3	1377.0	1377.7	1378.4	1379.1	1379.8	1380.5	1381.3	1382.0	1382.7	15700
15800	1383.4	1384.1	1384.8	1385.5	1386.2	1386.9	1387.6	1388.3	1389.0	1389.8	15800
15900	1390.5	1391.2	1391.9	1392.6	1393.3	1394.0	1394.7	1395.4	1396.1	1396.8	15900
16000	1397.5	1398.3	1399.0	1399.7	1400.4	1401.1	1401.8	1402.5	1403.2	1403.9	16000
16100	1404.6	1405.3	1406.0	1406.7	1407.5	1408.2	1408.9	1409.6	1410.3	1411.0	16100
16200	1411.7	1412.4	1413.1	1413.8	1414.5	1415.2	1416.0	1416.7	1417.4	1418.1	16200
16300	1418.8	1419.5	1420.2	1420.9	1421.6	1422.3	1423.0	1423.7	1424.5	1425.2	16300
16400	1425.9	1426.6	1427.3	1428.0	1428.7	1429.4	1430.1	1430.8	1431.5	1432.2	16400
16500	1433.0	1433.7	1434.4	1435.1	1435.8	1436.5	1437.2	1437.9	1438.6	1439.3	16500
16600	1440.0	1440.7	1441.5	1442.2	1442.9	1443.6	1444.3	1445.0	1445.7	1446.4	16600
16700	1447.1	1447.8	1448.5	1449.3	1450.0	1450.7	1451.4	1452.1	1452.8	1453.5	16700
16800	1454.2	1454.9	1455.6	1456.3	1457.1	1457.8	1458.5	1459.2	1459.9	1460.6	16800
16900	1461.3	1462.0	1462.7	1463.4	1464.1	1464.9	1465.6	1466.3	1467.0	1467.7	16900

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
17000	1468.4	1469.1	1469.8	1470.5	1471.2	1472.0	1472.7	1473.4	1474.1	1474.8	**17000**
17100	1475.5	1476.2	1476.9	1477.6	1478.3	1479.1	1479.8	1480.5	1481.2	1481.9	**17100**
17200	1482.6	1483.3	1484.0	1484.7	1485.4	1486.2	1486.9	1487.6	1488.3	1489.0	**17200**
17300	1489.7	1490.4	1491.1	1491.8	1492.6	1493.3	1494.0	1494.7	1495.4	1496.1	**17300**
17400	1496.8	1497.5	1498.2	1499.0	1499.7	1500.4	1501.1	1501.8	1502.5	1503.2	**17400**
17500	1503.9	1504.6	1505.4	1506.1	1506.8	1507.5	1508.2	1508.9	1509.6	1510.3	**17500**
17600	1511.1	1511.8	1512.5	1513.2	1513.9	1514.6	1515.3	1516.0	1516.7	1517.5	**17600**
17700	1518.2	1518.9	1519.6	1520.3	1521.0	1521.7	1522.5	1523.2	1523.9	1524.6	**17700**
17800	1525.3	1526.0	1526.7	1527.4	1528.2	1528.9	1529.6	1530.3	1531.0	1531.7	**17800**
17900	1532.4	1533.2	1533.9	1534.6	1535.3	1536.0	1536.7	1537.4	1538.1	1538.9	**17900**
18000	1539.6	1540.3	1541.0	1541.7	1542.4	1543.1	1543.9	1544.6	1545.3	1546.0	**18000**
18100	1546.7	1547.4	1548.2	1548.9	1549.6	1550.3	1551.0	1551.7	1552.4	1553.2	**18100**
18200	1553.9	1554.6	1555.3	1556.0	1556.7	1557.5	1558.2	1558.9	1559.6	1560.3	**18200**
18300	1561.0	1561.8	1562.5	1563.2	1563.9	1564.6	1565.3	1566.1	1566.8	1567.5	**18300**
18400	1568.2	1568.9	1569.6	1570.4	1571.1	1571.8	1572.5	1573.2	1573.9	1574.7	**18400**
18500	1575.4	1576.1	1576.8	1577.5	1578.2	1579.0	1579.7	1580.4	1581.1	1581.8	**18500**
18600	1582.6	1583.3	1584.0	1584.7	1585.4	1586.2	1586.9	1587.6	1588.3	1589.0	**18600**
18700	1589.7	1590.5	1591.2	1591.9	1592.6	1593.3	1594.1	1594.8	1595.5	1596.2	**18700**
18800	1596.9	1597.7	1598.4	1599.1	1599.8	1600.6	1601.3	1602.0	1602.7	1603.4	**18800**
18900	1604.2	1604.9	1605.6	1606.3	1607.0	1607.8	1608.5	1609.2	1609.9	1610.7	**18900**
19000	1611.4	1612.1	1612.8	1613.5	1614.3	1615.0	1615.7	1616.4	1617.2	1617.9	**19000**
19100	1618.6	1619.3	1620.0	1620.8	1621.5	1622.2	1622.9	1623.7	1624.4	1625.1	**19100**
19200	1625.8	1626.6	1627.3	1628.0	1628.7	1629.5	1630.2	1630.9	1631.6	1632.4	**19200**
19300	1633.1	1633.8	1634.5	1635.3	1636.0	1636.7	1637.4	1638.2	1638.9	1639.6	**19300**
19400	1640.3	1641.1	1641.8	1642.5	1643.2	1644.0	1644.7	1645.4	1646.2	1646.9	**19400**
19500	1647.6	1648.3	1649.1	1649.8	1650.5	1651.2	1652.0	1652.7	1653.4	1654.2	**19500**
19600	1654.9	1655.6	1656.3	1657.1	1657.8	1658.5	1659.3	1660.0	1660.7	1661.4	**19600**
19700	1662.2	1662.9	1663.6	1664.4	1665.1	1665.8	1666.6	1667.3	1668.0	1668.7	**19700**
19800	1669.5	1670.2	1670.9	1671.7	1672.4	1673.1	1673.9	1674.6	1675.3	1676.1	**19800**
19900	1676.8	1677.5	1678.3	1679.0	1679.7	1680.5	1681.2	1681.9	1682.7	1683.4	**19900**

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

	t_{68}/°C										
E/μV	0	10	20	30	40	50	60	70	80	90	E/μV
20000	1684.1	1684.9	1685.6	1686.3	1687.1	1687.8	1688.5	1689.3	1690.0	1690.8	**20000**
20100	1691.5	1692.2	1693.0	1693.7	1694.4	1695.2	1695.9	1696.7	1697.4	1698.1	**20100**
20200	1698.9	1699.6	1700.4	1701.1	1701.8	1702.6	1703.3	1704.1	1704.8	1705.6	**20200**
20300	1706.3	1707.0	1707.8	1708.5	1709.3	1710.0	1710.8	1711.5	1712.3	1713.0	**20300**
20400	1713.8	1714.5	1715.2	1716.0	1716.7	1717.5	1718.2	1719.0	1719.7	1720.5	**20400**
20500	1721.2	1722.0	1722.7	1723.5	1724.3	1725.0	1725.8	1726.5	1727.3	1728.0	**20500**
20600	1728.8	1729.5	1730.3	1731.1	1731.8	1732.6	1733.3	1734.1	1734.9	1735.6	**20600**
20700	1736.4	1737.1	1737.9	1738.7	1739.4	1740.2	1741.0	1741.7	1742.5	1743.3	**20700**
20800	1744.0	1744.8	1745.6	1746.3	1747.1	1747.9	1748.6	1749.4	1750.2	1751.0	**20800**
20900	1751.7	1752.5	1753.3	1754.1	1754.8	1755.6	1756.4	1757.2	1757.9	1758.7	**20900**
21000	1759.5	1760.3	1761.1	1761.9	1762.6	1763.4	1764.2	1765.0	1765.8	1766.6	**21000**
21100	1767.4	1768.1	1768.9								

4. **Platine - 10 % Rhodium / Platine (Type S)**

Ces tables sont données pour des couples thermoélectriques constitués par du platine pur (−) et un alliage de platine (+) dont la teneur en rhodium est aussi proche que possible de 10% par poids.

4. **Platinum - 10% Rhodium/Platinum (Type S)**

These reference tables are given for thermocouples made from pure platinum (−) and an alloy (+) with a composition as close as possible to 10% rhodium by weight.

Platine-10% Rhodium/Platine — TYPE S — Platinum-10% Rhodium/Platinum

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	−1	−2	−3	−4	−5	−6	−7	−8	−9	t_{68}/°C
−50	−236										−50
−40	−194	−199	−203	−207	−211	−215	−220	−224	−228	−232	−40
−30	−150	−155	−159	−164	−168	−173	−177	−181	−186	−190	−30
−20	−103	−108	−112	−117	−122	−127	−132	−136	−141	−145	−20
−10	−53	−58	−63	−68	−73	−78	−83	−88	−93	−98	−10
0	0	−5	−11	−16	−21	−27	−32	−37	−42	−48	0

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
0	0	5	11	16	22	27	33	38	44	50	0
10	55	61	67	72	78	84	90	95	101	107	10
20	113	119	125	131	137	142	148	154	161	167	20
30	173	179	185	191	197	203	210	216	222	228	30
40	235	241	247	254	260	266	273	279	286	292	40
50	299	305	312	318	325	331	338	345	351	358	50
60	365	371	378	385	391	398	405	412	419	425	60
70	432	439	446	453	460	467	474	481	488	495	70
80	502	509	516	523	530	537	544	551	558	566	80
90	573	580	587	594	602	609	616	623	631	638	90
100	645	653	660	667	675	682	690	697	704	712	100
110	719	727	734	742	749	757	764	772	780	787	110
120	795	802	810	818	825	833	841	848	856	864	120
130	872	879	887	895	903	910	918	926	934	942	130
140	950	957	965	973	981	989	997	1005	1013	1021	140
150	1029	1037	1045	1053	1061	1069	1077	1085	1093	1101	150
160	1109	1117	1125	1133	1141	1149	1158	1166	1174	1182	160
170	1190	1198	1207	1215	1223	1231	1240	1248	1256	1264	170
180	1273	1281	1289	1297	1306	1314	1322	1331	1339	1347	180
190	1356	1364	1373	1381	1389	1398	1406	1415	1423	1432	190

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
200	1440	1448	1457	1465	1474	1482	1491	1499	1508	1516	**200**
210	1525	1534	1542	1551	1559	1568	1576	1585	1594	1602	**210**
220	1611	1620	1628	1637	1645	1654	1663	1671	1680	1689	**220**
230	1698	1706	1715	1724	1732	1741	1750	1759	1767	1776	**230**
240	1785	1794	1802	1811	1820	1829	1838	1846	1855	1864	**240**
250	1873	1882	1891	1899	1908	1917	1926	1935	1944	1953	**250**
260	1962	1971	1979	1988	1997	2006	2015	2024	2033	2042	**260**
270	2051	2060	2069	2078	2087	2096	2105	2114	2123	2132	**270**
280	2141	2150	2159	2168	2177	2186	2195	2204	2213	2222	**280**
290	2232	2241	2250	2259	2268	2277	2286	2295	2304	2314	**290**
300	2323	2332	2341	2350	2359	2368	2378	2387	2396	2405	**300**
310	2414	2424	2433	2442	2451	2460	2470	2479	2488	2497	**310**
320	2506	2516	2525	2534	2543	2553	2562	2571	2581	2590	**320**
330	2599	2608	2618	2627	2636	2646	2655	2664	2674	2683	**330**
340	2692	2702	2711	2720	2730	2739	2748	2758	2767	2776	**340**
350	2786	2795	2805	2814	2823	2833	2842	2852	2861	2870	**350**
360	2880	2889	2899	2908	2917	2927	2936	2946	2955	2965	**360**
370	2974	2984	2993	3003	3012	3022	3031	3041	3050	3059	**370**
380	3069	3078	3088	3097	3107	3117	3126	3136	3145	3155	**380**
390	3164	3174	3183	3193	3202	3212	3221	3231	3241	3250	**390**
400	3260	3269	3279	3288	3298	3308	3317	3327	3336	3346	**400**
410	3356	3365	3375	3384	3394	3404	3413	3423	3433	3442	**410**
420	3452	3462	3471	3481	3491	3500	3510	3520	3529	3539	**420**
430	3549	3558	3568	3578	3587	3597	3607	3616	3626	3636	**430**
440	3645	3655	3665	3675	3684	3694	3704	3714	3723	3733	**440**
450	3743	3752	3762	3772	3782	3791	3801	3811	3821	3831	**450**
460	3840	3850	3860	3870	3879	3889	3899	3909	3919	3928	**460**
470	3938	3948	3958	3968	3977	3987	3997	4007	4017	4027	**470**
480	4036	4046	4056	4066	4076	4086	4095	4105	4115	4125	**480**
490	4135	4145	4155	4164	4174	4184	4194	4204	4214	4224	**490**

Platine-10% Rhodium/Platine *(suite)* TYPE S Platinum-10% Rhodium/Platinum *(continued)*

Force électromotrice en fonction de la température Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
500	4234	4243	4253	4263	4273	4283	4293	4303	4313	4323	**500**
510	4333	4343	4352	4362	4372	4382	4392	4402	4412	4422	**510**
520	4432	4442	4452	4462	4472	4482	4492	4502	4512	4522	**520**
530	4532	4542	4552	4562	4572	4582	4592	4602	4612	4622	**530**
540	4632	4642	4652	4662	4672	4682	4692	4702	4712	4722	**540**
550	4732	4742	4752	4762	4772	4782	4792	4802	4812	4822	**550**
560	4832	4842	4852	4862	4873	4883	4893	4903	4913	4923	**560**
570	4933	4943	4953	4963	4973	4984	4994	5004	5014	5024	**570**
580	5034	5044	5054	5065	5075	5085	5095	5105	5115	5125	**580**
590	5136	5146	5156	5166	5176	5186	5197	5207	5217	5227	**590**
600	5237	5247	5258	5268	5278	5288	5298	5309	5319	5329	**600**
610	5339	5350	5360	5370	5380	5391	5401	5411	5421	5431	**610**
620	5442	5452	5462	5473	5483	5493	5503	5514	5524	5534	**620**
630	5544	5555	5565	5575	5586	5596	5606	5617	5627	5637	**630**
640	5648	5658	5668	5679	5689	5700	5710	5720	5731	5741	**640**
650	5751	5762	5772	5782	5793	5803	5814	5824	5834	5845	**650**
660	5855	5866	5876	5887	5897	5907	5918	5928	5939	5949	**660**
670	5960	5970	5980	5991	6001	6012	6022	6033	6043	6054	**670**
680	6064	6075	6085	6096	6106	6117	6127	6138	6148	6159	**680**
690	6169	6180	6190	6201	6211	6222	6232	6243	6253	6264	**690**
700	6274	6285	6295	6306	6316	6327	6338	6348	6359	6369	**700**
710	6380	6390	6401	6412	6422	6433	6443	6454	6465	6475	**710**
720	6486	6496	6507	6518	6528	6539	6549	6560	6571	6581	**720**
730	6592	6603	6613	6624	6635	6645	6656	6667	6677	6688	**730**
740	6699	6709	6720	6731	6741	6752	6763	6773	6784	6795	**740**
750	6805	6816	6827	6838	6848	6859	6870	6880	6891	6902	**750**
760	6913	6923	6934	6945	6956	6966	6977	6988	6999	7009	**760**
770	7020	7031	7042	7053	7063	7074	7085	7096	7107	7117	**770**
780	7128	7139	7150	7161	7171	7182	7193	7204	7215	7225	**780**
790	7236	7247	7258	7269	7280	7291	7301	7312	7323	7334	**790**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
800	7345	7356	7367	7377	7388	7399	7410	7421	7432	7443	**800**
810	7454	7465	7476	7486	7497	7508	7519	7530	7541	7552	**810**
820	7563	7574	7585	7596	7607	7618	7629	7640	7651	7661	**820**
830	7672	7683	7694	7705	7716	7727	7738	7749	7760	7771	**830**
840	7782	7793	7804	7815	7826	7837	7848	7859	7870	7881	**840**
850	7892	7904	7915	7926	7937	7948	7959	7970	7981	7992	**850**
860	8003	8014	8025	8036	8047	8058	8069	8081	8092	8103	**860**
870	8114	8125	8136	8147	8158	8169	8180	8192	8203	8214	**870**
880	8225	8236	8247	8258	8270	8281	8292	8303	8314	8325	**880**
890	8336	8348	8359	8370	8381	8392	8404	8415	8426	8437	**890**
900	8448	8460	8471	8482	8493	8504	8516	8527	8538	8549	**900**
910	8560	8572	8583	8594	8605	8617	8628	8639	8650	8662	**910**
920	8673	8684	8695	8707	8718	8729	8741	8752	8763	8774	**920**
930	8786	8797	8808	8820	8831	8842	8854	8865	8876	8888	**930**
940	8899	8910	8922	8933	8944	8956	8967	8978	8990	9001	**940**
950	9012	9024	9035	9047	9058	9069	9081	9092	9103	9115	**950**
960	9126	9138	9149	9160	9172	9183	9195	9206	9217	9229	**960**
970	9240	9252	9263	9275	9286	9298	9309	9320	9332	9343	**970**
980	9355	9366	9378	9389	9401	9412	9424	9435	9447	9458	**980**
990	9470	9481	9493	9504	9516	9527	9539	9550	9562	9573	**990**
1000	9585	9596	9608	9619	9631	9642	9654	9665	9677	9689	**1000**
1010	9700	9712	9723	9735	9746	9758	9770	9781	9793	9804	**1010**
1020	9816	9828	9839	9851	9862	9874	9886	9897	9909	9920	**1020**
1030	9932	9944	9955	9967	9979	9990	10002	10013	10025	10037	**1030**
1040	10048	10060	10072	10083	10095	10107	10118	10130	10142	10154	**1040**
1050	10165	10177	10189	10200	10212	10224	10235	10247	10259	10271	**1050**
1060	10282	10294	10306	10318	10329	10341	10353	10364	10376	10388	**1060**
1070	10400	10411	10423	10435	10447	10459	10470	10482	10494	10506	**1070**
1080	10517	10529	10541	10553	10565	10576	10588	10600	10612	10624	**1080**
1090	10635	10647	10659	10671	10683	10694	10706	10718	10730	10742	**1090**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

E/μV

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
1100	10754	10765	10777	10789	10801	10813	10825	10836	10848	10860	**1100**
1110	10872	10884	10896	10908	10919	10931	10943	10955	10967	10979	**1110**
1120	10991	11003	11014	11026	11038	11050	11062	11074	11086	11098	**1120**
1130	11110	11121	11133	11145	11157	11169	11181	11193	11205	11217	**1130**
1140	11229	11241	11252	11264	11276	11288	11300	11312	11324	11336	**1140**
1150	11348	11360	11372	11384	11396	11408	11420	11432	11443	11455	**1150**
1160	11467	11479	11491	11503	11515	11527	11539	11551	11563	11575	**1160**
1170	11587	11599	11611	11623	11635	11647	11659	11671	11683	11695	**1170**
1180	11707	11719	11731	11743	11755	11767	11779	11791	11803	11815	**1180**
1190	11827	11839	11851	11863	11875	11887	11899	11911	11923	11935	**1190**
1200	11947	11959	11971	11983	11995	12007	12019	12031	12043	12055	**1200**
1210	12067	12079	12091	12103	12116	12128	12140	12152	12164	12176	**1210**
1220	12188	12200	12212	12224	12236	12248	12260	12272	12284	12296	**1220**
1230	12308	12320	12332	12345	12357	12369	12381	12393	12405	12417	**1230**
1240	12429	12441	12453	12465	12477	12489	12501	12514	12526	12538	**1240**
1250	12550	12562	12574	12586	12598	12610	12622	12634	12647	12659	**1250**
1260	12671	12683	12695	12707	12719	12731	12743	12755	12767	12780	**1260**
1270	12792	12804	12816	12828	12840	12852	12864	12876	12888	12901	**1270**
1280	12913	12925	12937	12949	12961	12973	12985	12997	13010	13022	**1280**
1290	13034	13046	13058	13070	13082	13094	13107	13119	13131	13143	**1290**
1300	13155	13167	13179	13191	13203	13216	13228	13240	13252	13264	**1300**
1310	13276	13288	13300	13313	13325	13337	13349	13361	13373	13385	**1310**
1320	13397	13410	13422	13434	13446	13458	13470	13482	13495	13507	**1320**
1330	13519	13531	13543	13555	13567	13579	13592	13604	13616	13628	**1330**
1340	13640	13652	13664	13677	13689	13701	13713	13725	13737	13749	**1340**
1350	13761	13774	13786	13798	13810	13822	13834	13846	13859	13871	**1350**
1360	13883	13895	13907	13919	13931	13943	13956	13968	13980	13992	**1360**
1370	14004	14016	14028	14040	14053	14065	14077	14089	14101	14113	**1370**
1380	14125	14138	14150	14162	14174	14186	14198	14210	14222	14235	**1380**
1390	14247	14259	14271	14283	14295	14307	14319	14332	14344	14356	**1390**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
1400	14368	14380	14392	14404	14416	14429	14441	14453	14465	14477	**1400**
1410	14489	14501	14513	14526	14538	14550	14562	14574	14586	14598	**1410**
1420	14610	14622	14635	14647	14659	14671	14683	14695	14707	14719	**1420**
1430	14731	14744	14756	14768	14780	14792	14804	14816	14828	14840	**1430**
1440	14852	14865	14877	14889	14901	14913	14925	14937	14949	14961	**1440**
1450	14973	14985	14998	15010	15022	15034	15046	15058	15070	15082	**1450**
1460	15094	15106	15118	15130	15143	15155	15167	15179	15191	15203	**1460**
1470	15215	15227	15239	15251	15263	15275	15287	15299	15311	15324	**1470**
1480	15336	15348	15360	15372	15384	15396	15408	15420	15432	15444	**1480**
1490	15456	15468	15480	15492	15504	15516	15528	15540	15552	15564	**1490**
1500	15576	15589	15601	15613	15625	15637	15649	15661	15673	15685	**1500**
1510	15697	15709	15721	15733	15745	15757	15769	15781	15793	15805	**1510**
1520	15817	15829	15841	15853	15865	15877	15889	15901	15913	15925	**1520**
1530	15937	15949	15961	15973	15985	15997	16009	16021	16033	16045	**1530**
1540	16057	16069	16080	16092	16104	16116	16128	16140	16152	16164	**1540**
1550	16176	16188	16200	16212	16224	16236	16248	16260	16272	16284	**1550**
1560	16296	16308	16319	16331	16343	16355	16367	16379	16391	16403	**1560**
1570	16415	16427	16439	16451	16462	16474	16486	16498	16510	16522	**1570**
1580	16534	16546	16558	16569	16581	16593	16605	16617	16629	16641	**1580**
1590	16653	16664	16676	16688	16700	16712	16724	16736	16747	16759	**1590**
1600	16771	16783	16795	16807	16819	16830	16842	16854	16866	16878	**1600**
1610	16890	16901	16913	16925	16937	16949	16960	16972	16984	16996	**1610**
1620	17008	17019	17031	17043	17055	17067	17078	17090	17102	17114	**1620**
1630	17125	17137	17149	17161	17173	17184	17196	17208	17220	17231	**1630**
1640	17243	17255	17267	17278	17290	17302	17313	17325	17337	17349	**1640**
1650	17360	17372	17384	17396	17407	17419	17431	17442	17454	17466	**1650**
1660	17477	17489	17501	17512	17524	17536	17548	17559	17571	17583	**1660**
1670	17594	17606	17617	17629	17641	17652	17664	17676	17687	17699	**1670**
1680	17711	17722	17734	17745	17757	17769	17780	17792	17803	17815	**1680**
1690	17826	17838	17850	17861	17873	17884	17896	17907	17919	17930	**1690**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
1700	17942	17953	17965	17976	17988	17999	18010	18022	18033	18045	**1700**
1710	18056	18068	18079	18090	18102	18113	18124	18136	18147	18158	**1710**
1720	18170	18181	18192	18204	18215	18226	18237	18249	18260	18271	**1720**
1730	18282	18293	18305	18316	18327	18338	18349	18360	18372	18383	**1730**
1740	18394	18405	18416	18427	18438	18449	18460	18471	18482	18493	**1740**
1750	18504	18515	18526	18536	18547	18558	18569	18580	18591	18602	**1750**
1760	18612	18623	18634	18645	18655	18666	18677	18687	18698	18709	**1760**

Platine-10% Rhodium/Platine — TYPE S — Platinum-10% Rhodium/Platinum

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

t_{68}/°C

E/μV	−0	−10	−20	−30	−40	−50	−60	−70	−80	−90	E/μV
−200	−41.3	−43.7	−46.1	−48.6							−200
−100	−19.4	−21.5	−23.6	−25.7	−27.8	−30.0	−32.2	−34.4	−36.7	−39.0	−100
0	0.0	−1.9	−3.7	−5.6	−7.5	−9.5	−11.4	−13.4	−15.4	−17.4	0

E/μV	0	10	20	30	40	50	60	70	80	90	E/μV
0	0.0	1.8	3.7	5.5	7.3	9.1	10.8	12.6	14.4	16.1	0
100	17.8	19.5	21.2	22.9	24.6	26.3	27.9	29.6	31.2	32.8	100
200	34.5	36.1	37.7	39.3	40.8	42.4	44.0	45.6	47.1	48.7	200
300	50.2	51.7	53.3	54.8	56.3	57.8	59.3	60.8	62.3	63.8	300
400	65.3	66.7	68.2	69.7	71.1	72.6	74.0	75.5	76.9	78.3	400
500	79.8	81.2	82.6	84.0	85.4	86.8	88.2	89.6	91.0	92.4	500
600	93.8	95.2	96.5	97.9	99.3	100.6	102.0	103.4	104.7	106.1	600
700	107.4	108.7	110.1	111.4	112.8	114.1	115.4	116.7	118.1	119.4	700
800	120.7	122.0	123.3	124.6	125.9	127.2	128.5	129.8	131.1	132.4	800
900	133.7	135.0	136.2	137.5	138.8	140.1	141.3	142.6	143.9	145.1	900
1000	146.4	147.7	148.9	150.2	151.4	152.7	153.9	155.2	156.4	157.7	1000
1100	158.9	160.1	161.4	162.6	163.8	165.1	166.3	167.5	168.7	170.0	1100
1200	171.2	172.4	173.6	174.8	176.1	177.3	178.5	179.7	180.9	182.1	1200
1300	183.3	184.5	185.7	186.9	188.1	189.3	190.5	191.7	192.9	194.1	1300
1400	195.3	196.4	197.6	198.8	200.0	201.2	202.4	203.5	204.7	205.9	1400
1500	207.1	208.2	209.4	210.6	211.7	212.9	214.1	215.2	216.4	217.6	1500
1600	218.7	219.9	221.1	222.2	223.4	224.5	225.7	226.8	228.0	229.1	1600
1700	230.3	231.4	232.6	233.7	234.9	236.0	237.2	238.3	239.4	240.6	1700
1800	241.7	242.9	244.0	245.1	246.3	247.4	248.5	249.7	250.8	251.9	1800
1900	253.1	254.2	255.3	256.4	257.6	258.7	259.8	260.9	262.1	263.2	1900

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
2000	264.3	265.4	266.5	267.7	268.8	269.9	271.0	272.1	273.2	274.3	2000
2100	275.5	276.6	277.7	278.8	279.9	281.0	282.1	283.2	284.3	285.4	2100
2200	286.5	287.6	288.7	289.8	290.9	292.0	293.1	294.2	295.3	296.4	2200
2300	297.5	298.6	299.7	300.8	301.9	303.0	304.1	305.2	306.3	307.4	2300
2400	308.4	309.5	310.6	311.7	312.8	313.9	315.0	316.0	317.1	318.2	2400
2500	319.3	320.4	321.5	322.5	323.6	324.7	325.8	326.9	327.9	329.0	2500
2600	330.1	331.2	332.2	333.3	334.4	335.5	336.5	337.6	338.7	339.8	2600
2700	340.8	341.9	343.0	344.0	345.1	346.2	347.2	348.3	349.4	350.4	2700
2800	351.5	352.6	353.6	354.7	355.8	356.8	357.9	359.0	360.0	361.1	2800
2900	362.1	363.2	364.3	365.3	366.4	367.4	368.5	369.6	370.6	371.7	2900
3000	372.7	373.8	374.8	375.9	376.9	378.0	379.1	380.1	381.2	382.2	3000
3100	383.3	384.3	385.4	386.4	387.5	388.5	389.6	390.6	391.7	392.7	3100
3200	393.8	394.8	395.8	396.9	397.9	399.0	400.0	401.1	402.1	403.2	3200
3300	404.2	405.2	406.3	407.3	408.4	409.4	410.5	411.5	412.5	413.6	3300
3400	414.6	415.7	416.7	417.7	418.8	419.8	420.8	421.9	422.9	423.9	3400
3500	425.0	426.0	427.1	428.1	429.1	430.2	431.2	432.2	433.3	434.3	3500
3600	435.3	436.3	437.4	438.4	439.4	440.5	441.5	442.5	443.6	444.6	3600
3700	445.6	446.6	447.7	448.7	449.7	450.7	451.8	452.8	453.8	454.8	3700
3800	455.9	456.9	457.9	458.9	460.0	461.0	462.0	463.0	464.1	465.1	3800
3900	466.1	467.1	468.1	469.2	470.2	471.2	472.2	473.2	474.3	475.3	3900
4000	476.3	477.3	478.3	479.4	480.4	481.4	482.4	483.4	484.4	485.5	4000
4100	486.5	487.5	488.5	489.5	490.5	491.5	492.6	493.6	494.6	495.6	4100
4200	496.6	497.6	498.6	499.6	500.6	501.7	502.7	503.7	504.7	505.7	4200
4300	506.7	507.7	508.7	509.7	510.7	511.7	512.8	513.8	514.8	515.8	4300
4400	516.8	517.8	518.8	519.8	520.8	521.8	522.8	523.8	524.8	525.8	4400
4500	526.8	527.8	528.8	529.8	530.8	531.8	532.8	533.8	534.8	535.8	4500
4600	536.8	537.8	538.8	539.8	540.8	541.8	542.8	543.8	544.8	545.8	4600
4700	546.8	547.8	548.8	549.8	550.8	551.8	552.8	553.8	554.8	555.8	4700
4800	556.8	557.8	558.8	559.8	560.8	561.8	562.8	563.7	564.7	565.7	4800
4900	566.7	567.7	568.7	569.7	570.7	571.7	572.7	573.7	574.6	575.6	4900

Platine-10% Rhodium/Platine *(suite)* TYPE S Platinum-10% Rhodium/Platinum *(continued)*

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
5000	576.6	577.6	578.6	579.6	580.6	581.6	582.6	583.5	584.5	585.5	**5000**
5100	586.5	587.5	588.5	589.5	590.4	591.4	592.4	593.4	594.4	595.4	**5100**
5200	596.3	597.3	598.3	599.3	600.3	601.2	602.2	603.2	604.2	605.2	**5200**
5300	606.1	607.1	608.1	609.1	610.1	611.0	612.0	613.0	614.0	615.0	**5300**
5400	615.9	616.9	617.9	618.9	619.8	620.8	621.8	622.8	623.7	624.7	**5400**
5500	625.7	626.6	627.6	628.6	629.6	630.5	631.5	632.5	633.4	634.4	**5500**
5600	635.4	636.3	637.3	638.3	639.3	640.2	641.2	642.2	643.1	644.1	**5600**
5700	645.0	646.0	647.0	647.9	648.9	649.9	650.8	651.8	652.8	653.7	**5700**
5800	654.7	655.6	656.6	657.6	658.5	659.5	660.5	661.4	662.4	663.3	**5800**
5900	664.3	665.3	666.2	667.2	668.1	669.1	670.0	671.0	672.0	672.9	**5900**
6000	673.9	674.8	675.8	676.7	677.7	678.7	679.6	680.6	681.5	682.5	**6000**
6100	683.4	684.4	685.3	686.3	687.2	688.2	689.1	690.1	691.0	692.0	**6100**
6200	692.9	693.9	694.8	695.8	696.7	697.7	698.6	699.6	700.5	701.5	**6200**
6300	702.4	703.4	704.3	705.3	706.2	707.2	708.1	709.1	710.0	711.0	**6300**
6400	711.9	712.8	713.8	714.7	715.7	716.6	717.6	718.5	719.5	720.4	**6400**
6500	721.3	722.3	723.2	724.2	725.1	726.1	727.0	727.9	728.9	729.8	**6500**
6600	730.8	731.7	732.6	733.6	734.5	735.4	736.4	737.3	738.3	739.2	**6600**
6700	740.1	741.1	742.0	742.9	743.9	744.8	745.8	746.7	747.6	748.6	**6700**
6800	749.5	750.4	751.4	752.3	753.2	754.2	755.1	756.0	757.0	757.9	**6800**
6900	758.8	759.8	760.7	761.6	762.5	763.5	764.4	765.3	766.3	767.2	**6900**
7000	768.1	769.1	770.0	770.9	771.8	772.8	773.7	774.6	775.5	776.5	**7000**
7100	777.4	778.3	779.3	780.2	781.1	782.0	783.0	783.9	784.8	785.7	**7100**
7200	786.6	787.6	788.5	789.4	790.3	791.3	792.2	793.1	794.0	795.0	**7200**
7300	795.9	796.8	797.7	798.6	799.6	800.5	801.4	802.3	803.2	804.2	**7300**
7400	805.1	806.0	806.9	807.8	808.7	809.7	810.6	811.5	812.4	813.3	**7400**
7500	814.2	815.2	816.1	817.0	817.9	818.8	819.7	820.6	821.6	822.5	**7500**
7600	823.4	824.3	825.2	826.1	827.0	828.0	828.9	829.8	830.7	831.6	**7600**
7700	832.5	833.4	834.3	835.2	836.2	837.1	838.0	838.9	839.8	840.7	**7700**
7800	841.6	842.5	843.4	844.3	845.2	846.1	847.1	848.0	848.9	849.8	**7800**
7900	850.7	851.6	852.5	853.4	854.3	855.2	856.1	857.0	857.9	858.8	**7900**

Platine-10% Rhodium/Platine *(suite)* TYPE S Platinum-10% Rhodium/Platinum *(continued)*

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

t_{68}/°C

E/μV	0	10	20	30	40	50	60	70	80	90	E/μV
8000	859.7	860.6	861.5	862.4	863.3	864.2	865.1	866.0	867.0	867.9	**8000**
8100	868.8	869.7	870.6	871.5	872.4	873.3	874.2	875.1	876.0	876.9	**8100**
8200	877.8	878.7	879.6	880.4	881.3	882.2	883.1	884.0	884.9	885.8	**8200**
8300	886.7	887.6	888.5	889.4	890.3	891.2	892.1	893.0	893.9	894.8	**8300**
8400	895.7	896.6	897.5	898.4	899.3	900.2	901.0	901.9	902.8	903.7	**8400**
8500	904.6	905.5	906.4	907.3	908.2	909.1	910.0	910.8	911.7	912.6	**8500**
8600	913.5	914.4	915.3	916.2	917.1	918.0	918.8	919.7	920.6	921.5	**8600**
8700	922.4	923.3	924.2	925.1	925.9	926.8	927.7	928.6	929.5	930.4	**8700**
8800	931.3	932.1	933.0	933.9	934.8	935.7	936.6	937.4	938.3	939.2	**8800**
8900	940.1	941.0	941.9	942.7	943.6	944.5	945.4	946.3	947.1	948.0	**8900**
9000	948.9	949.8	950.7	951.5	952.4	953.3	954.2	955.1	955.9	956.8	**9000**
9100	957.7	958.6	959.5	960.3	961.2	962.1	963.0	963.8	964.7	965.6	**9100**
9200	966.5	967.3	968.2	969.1	970.0	970.8	971.7	972.6	973.5	974.3	**9200**
9300	975.2	976.1	977.0	977.8	978.7	979.6	980.5	981.3	982.2	983.1	**9300**
9400	983.9	984.8	985.7	986.6	987.4	988.3	989.2	990.0	990.9	991.8	**9400**
9500	992.6	993.5	994.4	995.3	996.1	997.0	997.9	998.7	999.6	1000.5	**9500**
9600	1001.3	1002.2	1003.1	1003.9	1004.8	1005.7	1006.5	1007.4	1008.3	1009.1	**9600**
9700	1010.0	1010.9	1011.7	1012.6	1013.4	1014.3	1015.2	1016.0	1016.9	1017.8	**9700**
9800	1018.6	1019.5	1020.4	1021.2	1022.1	1022.9	1023.8	1024.7	1025.5	1026.4	**9800**
9900	1027.2	1028.1	1029.0	1029.8	1030.7	1031.5	1032.4	1033.3	1034.1	1035.0	**9900**
10000	1035.8	1036.7	1037.6	1038.4	1039.3	1040.1	1041.0	1041.8	1042.7	1043.6	**10000**
10100	1044.4	1045.3	1046.1	1047.0	1047.8	1048.7	1049.6	1050.4	1051.3	1052.1	**10100**
10200	1053.0	1053.8	t1054.7	1055.5	1056.4	1057.2	1058.1	1058.9	1059.8	1060.7	**10200**
10300	1061.5	1062.4	1063.2	1064.1	1064.9	1065.8	1066.6	1067.5	1068.3	1069.2	**10300**
10400	1070.0	1070.9	1071.7	1072.6.	1073.4	1074.3	1075.1	1076.0	1076.8	1077.7	**10400**
10500	1078.5	1079.4	1080.2	1081.1	1081.9	1082.8	1083.6	1084.5	1085.3	1086.2	**10500**
10600	1087.0	1087.9	1088.7	1089.5	1090.4	1091.2	1092.1	1092.9	1093.8	1094.6	**10600**
10700	1095.5	1096.3	1097.2	1098.0	1098.9	1099.7	1100.5	1101.4	1102.2	1103.1	**10700**
10800	1103.9	1104.8	1105.6	1106.5	1107.3	1108.1	1109.0	1109.8	1110.7	1111.5	**10800**
10900	1112.4	1113.2	1114.0	1114.9	1115.7	1116.6	1117.4	1118.3	1119.1	1119.9	**10900**

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
11000	1120.8	1121.6	1122.5	1123.3	1124.2	1125.0	1125.8	1126.7	1127.5	1128.4	11000
11100	1129.2	1130.0	1130.9	1131.7	1132.6	1133.4	1134.2	1135.1	1135.9	1136.8	11100
11200	1137.6	1138.4	1139.3	1140.1	1141.0	1141.8	1142.6	1143.5	1144.3	1145.1	11200
11300	1146.0	1146.8	1147.7	1148.5	1149.3	1150.2	1151.0	1151.9	1152.7	1153.5	11300
11400	1154.4	1155.2	1156.0	1156.9	1157.7	1158.5	1159.4	1160.2	1161.1	1161.9	11400
11500	1162.7	1163.6	1164.4	1165.2	1166.1	1166.9	1167.7	1168.6	1169.4	1170.2	11500
11600	1171.1	1171.9	1172.8	1173.6	1174.4	1175.3	1176.1	1176.9	1177.8	1178.6	11600
11700	1179.4	1180.3	1181.1	1181.9	1182.8	1183.6	1184.4	1185.3	1186.1	1186.9	11700
11800	1187.8	1188.6	1189.4	1190.3	1191.1	1191.9	1192.8	1193.6	1194.4	1195.3	11800
11900	1196.1	1196.9	1197.7	1198.6	1199.4	1200.2	1201.1	1201.9	1202.7	1203.6	11900
12000	1204.4	1205.2	1206.1	1206.9	1207.7	1208.6	1209.4	1210.2	1211.1	1211.9	12000
12100	1212.7	1213.5	1214.4	1215.2	1216.0	1216.9	1217.7	1218.5	1219.4	1220.2	12100
12200	1221.0	1221.8	1222.7	1223.5	1224.3	1225.2	1226.0	1226.8	1227.6	1228.5	12200
12300	1229.3	1230.1	1231.0	1231.8	1232.6	1233.5	1234.3	1235.1	1235.9	1236.8	12300
12400	1237.6	1238.4	1239.3	1240.1	1240.9	1241.7	1242.6	1243.4	1244.2	1245.0	12400
12500	1245.9	1246.7	1247.5	1248.4	1249.2	1250.0	1250.8	1251.7	1252.5	1253.3	12500
12600	1254.2	1255.0	1255.8	1256.6	1257.5	1258.3	1259.1	1259.9	1260.8	1261.6	12600
12700	1262.4	1263.3	1264.1	1264.9	1265.7	1266.6	1267.4	1268.2	1269.0	1269.9	12700
12800	1270.7	1271.5	1272.3	1273.2	1274.0	1274.8	1275.6	1276.5	1277.3	1278.1	12800
12900	1279.0	1279.8	1280.6	1281.4	1282.3	1283.1	1283.9	1284.7	1285.6	1286.4	12900
13000	1287.2	1288.0	1288.9	1289.7	1290.5	1291.3	1292.2	1293.0	1293.8	1294.6	13000
13100	1295.5	1296.3	1297.1	1297.9	1298.8	1299.6	1300.4	1301.2	1302.1	1302.9	13100
13200	1303.7	1304.5	1305.4	1306.2	1307.0	1307.8	1308.7	1309.5	1310.3	1311.1	13200
13300	1312.0	1312.8	1313.6	1314.4	1315.3	1316.1	1316.9	1317.7	1318.6	1319.4	13300
13400	1320.2	1321.0	1321.9	1322.7	1323.5	1324.3	1325.2	1326.0	1326.8	1327.6	13400
13500	1328.5	1329.3	1330.1	1330.9	1331.7	1332.6	1333.4	1334.2	1335.0	1335.9	13500
13600	1336.7	1337.5	1338.3	1339.2	1340.0	1340.8	1341.6	1342.5	1343.3	1344.1	13600
13700	1344.9	1345.8	1346.6	1347.4	1348.2	1349.1	1349.9	1350.7	1351.5	1352.4	13700
13800	1353.2	1354.0	1354.8	1355.7	1356.5	1357.3	1358.1	1358.9	1359.8	1360.6	13800
13900	1361.4	1362.2	1363.1	1363.9	1364.7	1365.5	1366.4	1367.2	1368.0	1368.8	13900

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
14000	1369.7	1370.5	1371.3	1372.1	1373.0	1373.8	1374.6	1375.4	1376.3	1377.1	14000
14100	1377.9	1378.7	1379.6	1380.4	1381.2	1382.0	1382.9	1383.7	1384.5	1385.3	14100
14200	1386.1	1387.0	1387.8	1388.6	1389.4	1390.3	1391.1	1391.9	1392.7	1393.6	14200
14300	1394.4	1395.2	1396.0	1396.9	1397.7	1398.5	1399.3	1400.2	1401.0	1401.8	14300
14400	1402.6	1403.5	1404.3	1405.1	1405.9	1406.8	1407.6	1408.4	1409.2	1410.1	14400
14500	1410.9	1411.7	1412.5	1413.4	1414.2	1415.0	1415.8	1416.7	1417.5	1418.3	14500
14600	1419.1	1420.0	1420.8	1421.6	1422.5	1423.3	1424.1	1424.9	1425.8	1426.6	14600
14700	1427.4	1428.2	1429.1	1429.9	1430.7	1431.5	1432.4	1433.2	1434.0	1434.8	14700
14800	1435.7	1436.5	1437.3	1438.1	1439.0	1439.8	1440.6	1441.5	1442.3	1443.1	14800
14900	1443.9	1444.8	1445.6	1446.4	1447.2	1448.1	1448.9	1449.7	1450.5	1451.4	14900
15000	1452.2	1453.0	1453.9	1454.7	1455.5	1456.3	1457.2	1458.0	1458.8	1459.7	15000
15100	1460.5	1461.3	1462.1	1463.0	1463.8	1464.6	1465.4	1466.3	1467.1	1467.9	15100
15200	1468.8	1469.6	1470.4	1471.2	1472.1	1472.9	1473.7	1474.6	1475.4	1476.2	15200
15300	1477.0	1477.9	1478.7	1479.5	1480.4	1481.2	1482.0	1482.9	1483.7	1484.5	15300
15400	1485.3	1486.2	1487.0	1487.8	1488.7	1489.5	1490.3	1491.2	1492.0	1492.8	15400
15500	1493.6	1494.5	1495.3	1496.1	1497.0	1497.8	1498.6	1499.5	1500.3	1501.1	15500
15600	1502.0	1502.8	1503.6	1504.4	1505.3	1506.1	1506.9	1507.8	1508.6	1509.4	15600
15700	1510.3	1511.1	1511.9	1512.8	1513.6	1514.4	1515.3	1516.1	1516.9	1517.8	15700
15800	1518.6	1519.4	1520.3	1521.1	1521.9	1522.8	1523.6	1524.4	1525.3	1526.1	15800
15900	1526.9	1527.8	1528.6	1529.4	1530.3	1531.1	1531.9	1532.8	1533.6	1534.4	15900
16000	1535.3	1536.1	1536.9	1537.8	1538.6	1539.5	1540.3	1541.1	1542.0	1542.8	16000
16100	1543.6	1544.5	1545.3	1546.1	1547.0	1547.8	1548.6	1549.5	1550.3	1551.2	16100
16200	1552.0	1552.8	1553.7	1554.5	1555.3	1556.2	1557.0	1557.9	1558.7	1559.5	16200
16300	1560.4	1561.2	1562.0	1562.9	1563.7	1564.6	1565.4	1566.2	1567.1	1567.9	16300
16400	1568.8	1569.6	1570.4	1571.3	1572.1	1573.0	1573.8	1574.6	1575.5	1576.3	16400
16500	1577.2	1578.0	1578.8	1579.7	1580.5	1581.4	1582.2	1583.0	1583.9	1584.7	16500
16600	1585.6	1586.4	1587.3	1588.1	1588.9	1589.8	1590.6	1591.5	1592.3	1593.2	16600
16700	1594.0	1594.8	1595.7	1596.5	1597.4	1598.2	1599.1	1599.9	1600.7	1601.6	16700
16800	1602.4	1603.3	1604.1	1605.0	1605.8	1606.7	1607.5	1608.3	1609.2	1610.0	16800
16900	1610.9	1611.7	1612.6	1613.4	1614.3	1615.1	1616.0	1616.8	1617.7	1618.5	16900

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
17000	1619.4	1620.2	1621.0	1621.9	1622.7	1623.6	1624.4	1625.3	1626.1	1627.0	**17000**
17100	1627.8	1628.7	1629.5	1630.4	1631.2	1632.1	1632.9	1633.8	1634.6	1635.5	**17100**
17200	1636.3	1637.2	1638.0	1638.9	1639.7	1640.6	1641.4	1642.3	1643.1	1644.0	**17200**
17300	1644.9	1645.7	1646.6	1647.4	1648.3	1649.1	1650.0	1650.8	1651.7	1652.5	**17300**
17400	1653.4	1654.2	1655.1	1655.9	1656.8	1657.7	1658.5	1659.4	1660.2	1661.1	**17400**
17500	1661.9	1662.8	1663.6	1664.5	1665.4	1666.2	1667.1	1667.9	1668.8	1669.6	**17500**
17600	1670.5	1671.4	1672.2	1673.1	1673.9	1674.8	1675.7	1676.5	1677.4	1678.2	**17600**
17700	1679.1	1680.0	1680.8	1681.7	1682.5	1683.4	1684.3	1685.1	1686.0	1686.9	**17700**
17800	1687.7	1688.6	1689.4	1690.3	1691.2	1692.0	1692.9	1693.8	1694.6	1695.5	**17800**
17900	1696.4	1697.2	1698.1	1699.0	1699.9	1700.7	1701.6	1702.5	1703.3	1704.2	**17900**
18000	1705.1	1706.0	1706.8	1707.7	1708.6	1709.5	1710.3	1711.2	1712.1	1713.0	**18000**
18100	1713.8	1714.7	1715.6	1716.5	1717.4	1718.3	1719.1	1720.0	1720.9	1721.8	**18100**
18200	1722.7	1723.6	1724.5	1725.3	1726.2	1727.1	1728.0	1728.9	1729.8	1730.7	**18200**
18300	1731.6	1732.5	1733.4	1734.3	1735.2	1736.1	1737.0	1737.9	1738.8	1739.7	**18300**
18400	1740.6	1741.5	1742.4	1743.3	1744.2	1745.1	1746.0	1746.9	1747.8	1748.7	**18400**
18500	1749.7	1750.6	1751.5	1752.4	1753.3	1754.2	1755.2	1756.1	1757.0	1757.9	**18500**
18600	1758.9	1759.8	1760.7	1761.6	1762.6	1763.5	1764.4	1765.4	1766.3	1767.2	**18600**
18700	1768.2										

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5. **Platine-30% Rhodium/Platine-6% Rhodium (Type B)**

Ces tables sont données pour des couples thermoélectriques constitués d'alliage dont la composition nominale par poids est précisée.

5. **Platinum-30% Rhodium/Platinum-6% Rhodium (Type B)**

The reference tables are given for thermocouples made from alloys nominally composed by weight as stated.

Platine-30% Rhodium/Platine-6% Rhodium — TYPE B — Platinum-30% Rhodium/Platinum-6% Rhodium

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
0	0	−0	−0	−1	−1	−1	−1	−1	−2	−2	**0**
10	−2	−2	−2	−2	−2	−2	−2	−2	−3	−3	**10**
20	−3	−3	−3	−3	−3	−2	−2	−2	−2	−2	**20**
30	−2	−2	−2	−2	−2	−1	−1	−1	−1	−1	**30**
40	−0	−0	−0	0	0	1	1	1	2	2	**40**
50	2	3	3	3	4	4	4	5	5	6	**50**
60	6	7	7	8	8	9	9	10	10	11	**60**
70	11	12	12	13	14	14	15	15	16	17	**70**
80	17	18	19	20	20	21	22	22	23	24	**80**
90	25	26	26	27	28	29	30	31	31	32	**90**
100	33	34	35	36	37	38	39	40	41	42	**100**
110	43	44	45	46	47	48	49	50	51	52	**110**
120	53	55	56	57	58	59	60	62	63	64	**120**
130	65	66	68	69	70	71	73	74	75	77	**130**
140	78	79	81	82	83	85	86	88	89	91	**140**
150	92	93	95	96	98	99	101	102	104	106	**150**
160	107	109	110	112	113	115	117	118	120	122	**160**
170	123	125	127	128	130	132	133	135	137	139	**170**
180	140	142	144	146	148	149	151	153	155	157	**180**
190	159	161	163	164	166	168	170	172	174	176	**190**
200	178	180	182	184	186	188	190	192	194	197	**200**
210	199	201	203	205	207	209	211	214	216	218	**210**
220	220	222	225	227	229	231	234	236	238	240	**220**
230	243	245	247	250	252	254	257	259	262	264	**230**
240	266	269	271	274	276	279	281	284	286	289	**240**
250	291	294	296	299	301	304	307	309	312	314	**250**
260	317	320	322	325	328	330	333	336	338	341	**260**
270	344	347	349	352	355	358	360	363	366	369	**270**
280	372	375	377	380	383	386	389	392	395	398	**280**
290	401	404	406	409	412	415	418	421	424	427	**290**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
300	431	434	437	440	443	446	449	452	455	458	**300**
310	462	465	468	471	474	477	481	484	487	490	**310**
320	494	497	500	503	507	510	513	517	520	523	**320**
330	527	530	533	537	540	544	547	550	554	557	**330**
340	561	564	568	571	575	578	582	585	589	592	**340**
350	596	599	603	606	610	614	617	621	625	628	**350**
360	632	636	639	643	647	650	654	658	661	665	**360**
370	669	673	677	680	684	688	692	696	699	703	**370**
380	707	711	715	719	723	727	730	734	738	742	**380**
390	746	750	754	758	762	766	770	774	778	782	**390**
400	786	790	794	799	803	807	811	815	819	823	**400**
410	827	832	836	840	844	848	853	857	861	865	**410**
420	870	874	878	882	887	891	895	900	904	908	**420**
430	913	917	921	926	930	935	939	943	948	952	**430**
440	957	961	966	970	975	979	984	988	993	997	**440**
450	1002	1006	1011	1015	1020	1025	1029	1034	1039	1043	**450**
460	1048	1052	1057	1062	1066	1071	1076	1081	1085	1090	**460**
470	1095	1100	1104	1109	1114	1119	1123	1128	1133	1138	**470**
480	1143	1148	1152	1157	1162	1167	1172	1177	1182	1187	**480**
490	1192	1197	1202	1206	1211	1216	1221	1226	1231	1236	**490**
500	1241	1246	1252	1257	1262	1267	1272	1277	1282	1287	**500**
510	1292	1297	1303	1308	1313	1318	1323	1328	1334	1339	**510**
520	1344	1349	1354	1360	1365	1370	1375	1381	1386	1391	**520**
530	1397	1402	1407	1413	1418	1423	1429	1434	1439	1445	**530**
540	1450	1456	1461	1467	1472	1477	1483	1488	1494	1499	**540**
550	1505	1510	1516	1521	1527	1532	1538	1544	1549	1555	**550**
560	1560	1566	1571	1577	1583	1588	1594	1600	1605	1611	**560**
570	1617	1622	1628	1634	1639	1645	1651	1657	1662	1668	**570**
580	1674	1680	1685	1691	1697	1703	1709	1715	1720	1726	**580**
590	1732	1738	1744	1750	1756	1762	1767	1773	1779	1785	**590**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
600	1791	1797	1803	1809	1815	1821	1827	1833	1839	1845	**600**
610	1851	1857	1863	1869	1875	1882	1888	1894	1900	1906	**610**
620	1912	1918	1924	1931	1937	1943	1949	1955	1961	1968	**620**
630	1974	1980	1986	1993	1999	2005	2011	2018	2024	2030	**630**
640	2036	2043	2049	2055	2062	2068	2074	2081	2087	2094	**640**
650	2100	2106	2113	2119	2126	2132	2139	2145	2151	2158	**650**
660	2164	2171	2177	2184	2190	2197	2203	2210	2216	2223	**660**
670	2230	2236	2243	2249	2256	2263	2269	2276	2282	2289	**670**
680	2296	2302	2309	2316	2322	2329	2336	2343	2349	2356	**680**
690	2363	2369	2376	2383	2390	2396	2403	2410	2417	2424	**690**
700	2430	2437	2444	2451	2458	2465	2472	2478	2485	2492	**700**
710	2499	2506	2513	2520	2527	2534	2541	2548	2555	2562	**710**
720	2569	2576	2583	2590	2597	2604	2611	2618	2625	2632	**720**
730	2639	2646	2653	2660	2667	2674	2682	2689	2696	2703	**730**
740	2710	2717	2724	2732	2739	2746	2753	2760	2768	2775	**740**
750	2782	2789	2797	2804	2811	2818	2826	2833	2840	2848	**750**
760	2855	2862	2869	2877	2884	2892	2899	2906	2914	2921	**760**
770	2928	2936	2943	2951	2958	2966	2973	2980	2988	2995	**770**
780	3003	3010	3018	3025	3033	3040	3048	3055	3063	3070	**780**
790	3078	3086	3093	3101	3108	3116	3124	3131	3139	3146	**790**
800	3154	3162	3169	3177	3185	3192	3200	3208	3215	3223	**800**
810	3231	3239	3246	3254	3262	3269	3277	3285	3293	3301	**810**
820	3308	3316	3324	3332	3340	3347	3355	3363	3371	3379	**820**
830	3387	3395	3402	3410	3418	3426	3434	3442	3450	3458	**830**
840	3466	3474	3482	3490	3498	3506	3514	3522	3530	3538	**840**
850	3546	3554	3562	3570	3578	3586	3594	3602	3610	3618	**850**
860	3626	3634	3643	3651	3659	3667	3675	3683	3691	3700	**860**
870	3708	3716	3724	3732	3741	3749	3757	3765	3773	3782	**870**
880	3790	3798	3806	3815	3823	3831	3840	3848	3856	3865	**880**
890	3873	3881	3890	3898	3906	3915	3923	3931	3940	3948	**890**

Platine-30% Rhodium/Platine-6% Rhodium *(suite)* TYPE B Platinum-30% Rhodium/Platinum-6% Rhodium *(continued)*

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
900	3957	3965	3973	3982	3990	3999	4007	4016	4024	4032	**900**
910	4041	4049	4058	4066	4075	4083	4092	4100	4109	4117	**910**
920	4126	4135	4143	4152	4160	4169	4177	4186	4195	4203	**920**
930	4212	4220	4229	4238	4246	4255	4264	4272	4281	4290	**930**
940	4298	4307	4316	4325	4333	4342	4351	4359	4368	4377	**940**
950	4386	4394	4403	4412	4421	4430	4438	4447	4456	4465	**950**
960	4474	4483	4491	4500	4509	4518	4527	4536	4545	4553	**960**
970	4562	4571	4580	4589	4598	4607	4616	4625	4634	4643	**970**
980	4652	4661	4670	4679	4688	4697	4706	4715	4724	4733	**980**
990	4742	4751	4760	4769	4778	4787	4796	4805	4814	4824	**990**
1000	4833	4842	4851	4860	4869	4878	4887	4897	4906	4915	**1000**
1010	4924	4933	4942	4952	4961	4970	4979	4989	4998	5007	**1010**
1020	5016	5025	5035	5044	5053	5063	5072	5081	5090	5100	**1020**
1030	5109	5118	5128	5137	5146	5156	5165	5174	5184	5193	**1030**
1040	5202	5212	5221	5231	5240	5249	5259	5268	5278	5287	**1040**
1050	5297	5306	5316	5325	5334	5344	5353	5363	5372	5382	**1050**
1060	5391	5401	5410	5420	5429	5439	5449	5458	5468	5477	**1060**
1070	5487	5496	5506	5516	5525	5535	5544	5554	5564	5573	**1070**
1080	5583	5593	5602	5612	5621	5631	5641	5651	5660	5670	**1080**
1090	5680	5689	5699	5709	5718	5728	5738	5748	5757	5767	**1090**
1100	5777	5787	5796	5806	5816	5826	5836	5845	5855	5865	**1100**
1110	5875	5885	5895	5904	5914	5924	5934	5944	5954	5964	**1110**
1120	5973	5983	5993	6003	6013	6023	6033	6043	6053	6063	**1120**
1130	6073	6083	6093	6102	6112	6122	6132	6142	6152	6162	**1130**
1140	6172	6182	6192	6202	6212	6223	6233	6243	6253	6263	**1140**
1150	6273	6283	6293	6303	6313	6323	6333	6343	6353	6364	**1150**
1160	6374	6384	6394	6404	6414	6424	6435	6445	6455	6465	**1160**
1170	6475	6485	6496	6506	6516	6526	6536	6547	6557	6567	**1170**
1180	6577	6588	6598	6608	6618	6629	6639	6649	6659	6670	**1180**
1190	6680	6690	6701	6711	6721	6732	6742	6752	6763	6773	**1190**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
1200	6783	6794	6804	6814	6825	6835	6846	6856	6866	6877	**1200**
1210	6887	6898	6908	6918	6929	6939	6950	6960	6971	6981	**1210**
1220	6991	7002	7012	7023	7033	7044	7054	7065	7075	7086	**1220**
1230	7096	7107	7117	7128	7138	7149	7159	7170	7181	7191	**1230**
1240	7202	7212	7223	7233	7244	7255	7265	7276	7286	7297	**1240**
1250	7308	7318	7329	7339	7350	7361	7371	7382	7393	7403	**1250**
1260	7414	7425	7435	7446	7457	7467	7478	7489	7500	7510	**1260**
1270	7521	7532	7542	7553	7564	7575	7585	7596	7607	7618	**1270**
1280	7628	7639	7650	7661	7671	7682	7693	7704	7715	7725	**1280**
1290	7736	7747	7758	7769	7780	7790	7801	7812	7823	7834	**1290**
1300	7845	7855	7866	7877	7888	7899	7910	7921	7932	7943	**1300**
1310	7953	7964	7975	7986	7997	8008	8019	8030	8041	8052	**1310**
1320	8063	8074	8085	8096	8107	8118	8128	8139	8150	8161	**1320**
1330	8172	8183	8194	8205	8216	8227	8238	8249	8261	8272	**1330**
1340	8283	8294	8305	8316	8327	8338	8349	8360	8371	8382	**1340**
1350	8393	8404	8415	8426	8437	8449	8460	8471	8482	8493	**1350**
1360	8504	8515	8526	8538	8549	8560	8571	8582	8593	8604	**1360**
1370	8616	8627	8638	8649	8660	8671	8683	8694	8705	8716	**1370**
1380	8727	8738	8750	8761	8772	8783	8795	8806	8817	8828	**1380**
1390	8839	8851	8862	8873	8884	8896	8907	8918	8929	8941	**1390**
1400	8952	8963	8974	8986	8997	9008	9020	9031	9042	9053	**1400**
1410	9065	9076	9087	9099	9110	9121	9133	9144	9155	9167	**1410**
1420	9178	9189	9201	9212	9223	9235	9246	9257	9269	9280	**1420**
1430	9291	9303	9314	9326	9337	9348	9360	9371	9382	9394	**1430**
1440	9405	9417	9428	9439	9451	9462	9474	9485	9497	9508	**1440**
1450	9519	9531	9542	9554	9565	9577	9588	9599	9611	9622	**1450**
1460	9634	9645	9657	9668	9680	9691	9703	9714	9726	9737	**1460**
1470	9748	9760	9771	9783	9794	9806	9817	9829	9840	9852	**1470**
1480	9863	9875	9886	9898	9909	9921	9933	9944	9956	9967	**1480**
1490	9979	9990	10002	10013	10025	10036	10048	10059	10071	10082	**1490**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
1500	10094	10106	10117	10129	10140	10152	10163	10175	10187	10198	**1500**
1510	10210	10221	10233	10244	10256	10268	10279	10291	10302	10314	**1510**
1520	10325	10337	10349	10360	10372	10383	10395	10407	10418	10430	**1520**
1530	10441	10453	10465	10476	10488	10500	10511	10523	10534	10546	**1530**
1540	10558	10569	10581	10593	10604	10616	10627	10639	10651	10662	**1540**
1550	10674	10686	10697	10709	10721	10732	10744	10756	10767	10779	**1550**
1560	10790	10802	10814	10825	10837	10849	10860	10872	10884	10895	**1560**
1570	10907	10919	10930	10942	10954	10965	10977	10989	11000	11012	**1570**
1580	11024	11035	11047	11059	11070	11082	11094	11105	11117	11129	**1580**
1590	11141	11152	11164	11176	11187	11199	11211	11222	11234	11246	**1590**
1600	11257	11269	11281	11292	11304	11316	11328	11339	11351	11363	**1600**
1610	11374	11386	11398	11409	11421	11433	11444	11456	11468	11480	**1610**
1620	11491	11503	11515	11526	11538	11550	11561	11573	11585	11597	**1620**
1630	11608	11620	11632	11643	11655	11667	11678	11690	11702	11714	**1630**
1640	11725	11737	11749	11760	11772	11784	11795	11807	11819	11830	**1640**
1650	11842	11854	11866	11877	11889	11901	11912	11924	11936	11947	**1650**
1660	11959	11971	11983	11994	12006	12018	12029	12041	12053	12064	**1660**
1670	12076	12088	12099	12111	12123	12134	12146	12158	12170	12181	**1670**
1680	12193	12205	12216	12228	12240	12251	12263	12275	12286	12298	**1680**
1690	12310	12321	12333	12345	12356	12368	12380	12391	12403	12415	**1690**
1700	12426	12438	12450	12461	12473	12485	12496	12508	12520	12531	**1700**
1710	12543	12555	12566	12578	12590	12601	12613	12624	12636	12648	**1710**
1720	12659	12671	12683	12694	12706	12718	12729	12741	12752	12764	**1720**
1730	12776	12787	12799	12811	12822	12834	12845	12857	12869	12880	**1730**
1740	12892	12903	12915	12927	12938	12950	12961	12973	12985	12996	**1740**
1750	13008	13019	13031	13043	13054	13066	13077	13089	13100	13112	**1750**
1760	13124	13135	13147	13158	13170	13181	13193	13204	13216	13228	**1760**
1770	13239	13251	13262	13274	13285	13297	13308	13320	13331	13343	**1770**
1780	13354	13366	13378	13389	13401	13412	13424	13435	13447	13458	**1780**
1790	13470	13481	13493	13504	13516	13527	13539	13550	13562	13573	**1790**

Platine-30% Rhodium/Platine-6% Rhodium *(suite)* TYPE B Platinum-30% Rhodium/Platinum-6% Rhodium *(continued)*

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
1800	13585	13596	13607	13619	13630	13642	13653	13665	13676	13688	**1800**
1810	13699	13711	13722	13733	13745	13756	13768	13779	13791	13802	**1810**
1820	13814										

Platine-30% Rhodium/Platine-6% Rhodium — TYPE B — Platinum-30% Rhodium/Platinum-6% Rhodium

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

t_{68}/°C

E/μV	0	10	20	30	40	50	60	70	80	90	E/μV
0	42.2	67.7	83.7	96.4	107.3	116.9	125.7	133.9	141.4	148.6	0
100	155.4	161.9	168.1	174.0	179.7	185.3	190.6	195.8	200.9	205.8	100
200	210.6	215.3	219.9	224.4	228.8	233.1	237.3	241.5	245.5	249.5	200
300	253.5	257.3	261.2	264.9	268.6	272.3	275.9	279.4	282.9	286.4	300
400	289.8	293.2	296.5	299.8	303.1	306.3	309.5	312.7	315.8	318.9	400
500	322.0	325.0	328.0	331.0	334.0	336.9	339.8	342.7	345.5	348.4	500
600	351.2	354.0	356.7	359.5	362.2	364.9	367.6	370.3	372.9	375.5	600
700	378.2	380.8	383.3	385.9	388.4	391.0	393.5	396.0	398.4	400.9	700
800	403.3	405.8	408.2	410.6	413.0	415.4	417.7	420.1	422.4	424.8	800
900	427.1	429.4	431.7	434.0	436.2	438.5	440.7	443.0	445.2	447.4	900
1000	449.6	451.8	454.0	456.2	458.3	460.5	462.6	464.8	466.9	469.0	1000
1100	471.1	473.2	475.3	477.4	479.4	481.5	483.6	485.6	487.6	489.7	1100
1200	491.7	493.7	495.7	497.7	499.7	501.7	503.7	505.6	507.6	509.6	1200
1300	511.5	513.4	515.4	517.3	519.2	521.1	523.1	525.0	526.9	528.7	1300
1400	530.6	532.5	534.4	536.2	538.1	539.9	541.8	543.6	545.5	547.3	1400
1500	549.1	550.9	552.8	554.6	556.4	558.2	560.0	561.7	563.5	565.3	1500
1600	567.1	568.8	570.6	572.3	574.1	575.8	577.6	579.3	581.1	582.8	1600
1700	584.5	586.2	587.9	589.6	591.3	593.0	594.7	596.4	598.1	599.8	1700
1800	601.5	603.1	604.8	606.5	608.1	609.8	611.5	613.1	614.8	616.4	1800
1900	618.0	619.7	621.3	622.9	624.5	626.2	627.8	629.4	631.0	632.6	1900
2000	634.2	635.8	637.4	639.0	640.6	642.1	643.7	645.3	646.9	648.4	2000
2100	650.0	651.6	653.1	654.7	656.2	657.8	659.3	660.9	662.4	663.9	2100
2200	665.5	667.0	668.5	670.1	671.6	673.1	674.6	676.1	677.6	679.1	2200
2300	680.6	682.1	683.6	685.1	686.6	688.1	689.6	691.1	692.6	694.0	2300
2400	695.5	697.0	698.5	699.9	701.4	702.9	704.3	705.8	707.2	708.7	2400
2500	710.1	711.6	713.0	714.5	715.9	717.3	718.8	720.2	721.6	723.1	2500
2600	724.5	725.9	727.3	728.7	730.1	731.6	733.0	734.4	735.8	737.2	2600
2700	738.6	740.0	741.4	742.8	744.2	745.6	746.9	748.3	749.7	751.1	2700
2800	752.5	753.9	755.2	756.6	758.0	759.3	760.7	762.1	763.4	764.8	2800
2900	766.1	767.5	768.9	770.2	771.6	772.9	774.3	775.6	776.9	778.3	2900

Platine-30% Rhodium/Platine-6% Rhodium — TYPE B — Platinum-30% Rhodium/Platinum-6% Rhodium

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
3000	779.6	781.0	782.3	783.6	785.0	786.3	787.6	788.9	790.3	791.6	3000
3100	792.9	794.2	795.5	796.8	798.2	799.5	800.8	802.1	803.4	804.7	3100
3200	806.0	807.3	808.6	809.9	811.2	812.5	813.8	815.1	816.4	817.6	3200
3300	818.9	820.2	821.5	822.8	824.0	825.3	826.6	827.9	829.1	830.4	3300
3400	831.7	833.0	834.2	835.5	836.7	838.0	839.3	840.5	841.8	843.0	3400
3500	844.3	845.5	846.8	848.0	849.3	850.5	851.8	853.0	854.3	855.5	3500
3600	856.7	858.0	859.2	860.4	861.7	862.9	864.1	865.4	866.6	867.8	3600
3700	869.0	870.3	871.5	872.7	873.9	875.1	876.4	877.6	878.8	880.0	3700
3800	881.2	882.4	883.6	884.8	886.0	887.3	888.5	889.7	890.9	892.1	3800
3900	893.3	894.5	895.6	896.8	898.0	899.2	900.4	901.6	902.8	904.0	3900
4000	905.2	906.3	907.5	908.7	909.9	911.1	912.3	913.4	914.6	915.8	4000
4100	917.0	918.1	919.3	920.5	921.6	922.8	924.0	925.1	926.3	927.5	4100
4200	928.6	929.8	930.9	932.1	933.3	934.4	935.6	936.7	937.9	939.0	4200
4300	940.2	941.3	942.5	943.6	944.8	945.9	947.1	948.2	949.3	950.5	4300
4400	951.6	952.8	953.9	955.0	956.2	957.3	958.4	959.6	960.7	961.8	4400
4500	963.0	964.1	965.2	966.4	967.5	968.6	969.7	970.9	972.0	973.1	4500
4600	974.2	975.3	976.5	977.6	978.7	979.8	980.9	982.0	983.1	984.3	4600
4700	985.4	986.5	987.6	988.7	989.8	990.9	992.0	993.1	994.2	995.3	4700
4800	996.4	997.5	998.6	999.7	1000.8	1001.9	1003.0	1004.1	1005.2	1006.3	4800
4900	1007.4	1008.5	1009.6	1010.6	1011.7	1012.8	1013.9	1015.0	1016.1	1017.2	4900
5000	1018.2	1019.3	1020.4	1021.5	1022.6	1023.6	1024.7	1025.8	1026.9	1028.0	5000
5100	1029.0	1030.1	1031.2	1032.3	1033.3	1034.4	1035.5	1036.5	1037.6	1038.7	5100
5200	1039.7	1040.8	1041.9	1042.9	1044.0	1045.1	1046.1	1047.2	1048.2	1049.3	5200
5300	1050.4	1051.4	1052.5	1053.5	1054.6	1055.6	1056.7	1057.7	1058.8	1059.9	5300
5400	1060.9	1062.0	1063.0	1064.1	1065.1	1066.1	1067.2	1068.2	1069.3	1070.3	5400
5500	1071.4	1072.4	1073.5	1074.5	1075.5	1076.6	1077.6	1078.7	1079.7	1080.7	5500
5600	1081.8	1082.8	1083.8	1084.9	1085.9	1086.9	1088.0	1089.0	1090.0	1091.1	5600
5700	1092.1	1093.1	1094.2	1095.2	1096.2	1097.2	1098.3	1099.3	1100.3	1101.3	5700
5800	1102.4	1103.4	1104.4	1105.4	1106.4	1107.5	1108.5	1109.5	1110.5	1111.5	5800
5900	1112.6	1113.6	1114.6	1115.6	1116.6	1117.6	1118.6	1119.7	1120.7	1121.7	5900

Platine-30% Rhodium/Platine-6% Rhodium *(suite)* TYPE B Platinum-30% Rhodium/Platinum-6% Rhodium *(continued)*

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

	t_{68}/°C										
E/μV	0	10	20	30	40	50	60	70	80	90	E/μV
6000	1122.7	1123.7	1124.7	1125.7	1126.7	1127.7	1128.7	1129.7	1130.7	1131.7	**6000**
6100	1132.8	1133.8	1134.8	1135.8	1136.8	1137.8	1138.8	1139.8	1140.8	1141.8	**6100**
6200	1142.8	1143.8	1144.8	1145.7	1146.7	1147.7	1148.7	1149.7	1150.7	1151.7	**6200**
6300	1152.7	1153.7	1154.7	1155.7	1156.7	1157.7	1158.6	1159.6	1160.6	1161.6	**6300**
6400	1162.6	1163.6	1164.6	1165.5	1166.5	1167.5	1168.5	1169.5	1170.5	1171.4	**6400**
6500	1172.4	1173.4	1174.4	1175.4	1176.3	1177.3	1178.3	1179.3	1180.3	1181.2	**6500**
6600	1182.2	1183.2	1184.2	1185.1	1186.1	1187.1	1188.0	1189.0	1190.0	1191.0	**6600**
6700	1191.9	1192.9	1193.9	1194.8	1195.8	1196.8	1197.7	1198.7	1199.7	1200.6	**6700**
6800	1201.6	1202.6	1203.5	1204.5	1205.5	1206.4	1207.4	1208.4	1209.3	1210.3	**6800**
6900	1211.2	1212.2	1213.2	1214.1	1215.1	1216.0	1217.0	1217.9	1218.9	1219.9	**6900**
7000	1220.8	1221.8	1222.7	1223.7	1224.6	1225.6	1226.5	1227.5	1228.4	1229.4	**7000**
7100	1230.4	1231.3	1232.3	1233.2	1234.2	1235.1	1236.0	1237.0	1237.9	1238.9	**7100**
7200	1239.8	1240.8	1241.7	1242.7	1243.6	1244.6	1245.5	1246.5	1247.4	1248.3	**7200**
7300	1249.3	1250.2	1251.2	1252.1	1253.0	1254.0	1254.9	1255.9	1256.8	1257.7	**7300**
7400	1258.7	1259.6	1260.6	1261.5	1262.4	1263.4	1264.3	1265.2	1266.2	1267.1	**7400**
7500	1268.0	1269.0	1269.9	1270.8	1271.8	1272.7	1273.6	1274.6	1275.5	1276.4	**7500**
7600	1277.4	1278.3	1279.2	1280.2	1281.1	1282.0	1282.9	1283.9	1284.8	1285.7	**7600**
7700	1286.6	1287.6	1288.5	1289.4	1290.3	1291.3	1292.2	1293.1	1294.0	1295.0	**7700**
7800	1295.9	1296.8	1297.7	1298.7	1299.6	1300.5	1301.4	1302.3	1303.3	1304.2	**7800**
7900	1305.1	1306.0	1306.9	1307.8	1308.8	1309.7	1310.6	1311.5	1312.4	1313.4	**7900**
8000	1314.3	1315.2	1316.1	1317.0	1317.9	1318.8	1319.8	1320.7	1321.6	1322.5	**8000**
8100	1323.4	1324.3	1325.2	1326.1	1327.0	1328.0	1328.9	1329.8	1330.7	1331.6	**8100**
8200	1332.5	1333.4	1334.3	1335.2	1336.1	1337.0	1338.0	1338.9	1339.8	1340.7	**8200**
8300	1341.6	1342.5	1343.4	1344.3	1345.2	1346.1	1347.0	1347.9	1348.8	1349.7	**8300**
8400	1350.6	1351.5	1352.4	1353.3	1354.2	1355.1	1356.0	1356.9	1357.8	1358.7	**8400**
8500	1359.6	1360.5	1361.4	1362.3	1363.2	1364.1	1365.0	1365.9	1366.8	1367.7	**8500**
8600	1368.6	1369.5	1370.4	1371.3	1372.2	1373.1	1374.0	1374.9	1375.8	1376.7	**8600**
8700	1377.6	1378.5	1379.4	1380.2	1381.1	1382.0	1382.9	1383.8	1384.7	1385.6	**8700**
8800	1386.5	1387.4	1388.3	1389.2	1390.1	1390.9	1391.8	1392.7	1393.6	1394.5	**8800**
8900	1395.4	1396.3	1397.2	1398.1	1398.9	1399.8	1400.7	1401.6	1402.5	1403.4	**8900**

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

	t_{68}/°C										
E/μV	0	10	20	30	40	50	60	70	80	90	E/μV
9000	1404.3	1405.2	1406.0	1406.9	1407.8	1408.7	1409.6	1410.5	1411.3	1412.2	9000
9100	1413.1	1414.0	1414.9	1415.8	1416.7	1417.5	1418.4	1419.3	1420.2	1421.1	9100
9200	1421.9	1422.8	1423.7	1424.6	1425.5	1426.4	1427.2	1428.1	1429.0	1429.9	9200
9300	1430.8	1431.6	1432.5	1433.4	1434.3	1435.1	1436.0	1436.9	1437.8	1438.7	9300
9400	1439.5	1440.4	1441.3	1442.2	1443.0	1443.9	1444.8	1445.7	1446.5	1447.4	9400
9500	1448.3	1449.2	1450.1	1450.9	1451.8	1452.7	1453.6	1454.4	1455.3	1456.2	9500
9600	1457.0	1457.9	1458.8	1459.7	1460.5	1461.4	1462.3	1463.2	1464.0	1464.9	9600
9700	1465.8	1466.6	1467.5	1468.4	1469.3	1470.1	1471.0	1471.9	1472.7	1473.6	9700
9800	1474.5	1475.4	1476.2	1477.1	1478.0	1478.8	1479.7	1480.6	1481.4	1482.3	9800
9900	1483.2	1484.0	1484.9	1485.8	1486.6	1487.5	1488.4	1489.3	1490.1	1491.0	9900
10000	1491.9	1492.7	1493.6	1494.5	1495.3	1496.2	1497.1	1497.9	1498.8	1499.7	10000
10100	1500.5	1501.4	1502.2	1503.1	1504.0	1504.8	1505.7	1506.6	1507.4	1508.3	10100
10200	1509.2	1510.0	1510.9	1511.8	1512.6	1513.5	1514.3	1515.2	1516.1	1516.9	10200
10300	1517.8	1518.7	1519.5	1520.4	1521.3	1522.1	1523.0	1523.8	1524.7	1525.6	10300
10400	1526.4	1527.3	1528.1	1529.0	1529.9	1530.7	1531.6	1532.5	1533.3	1534.2	10400
10500	1535.0	1535.9	1536.8	1537.6	1538.5	1539.3	1540.2	1541.1	1541.9	1542.8	10500
10600	1543.6	1544.5	1545.4	1546.2	1547.1	1547.9	1548.8	1549.7	1550.5	1551.4	10600
10700	1552.2	1553.1	1554.0	1554.8	1555.7	1556.5	1557.4	1558.2	1559.1	1560.0	10700
10800	1560.8	1561.7	1562.5	1563.4	1564.3	1565.1	1566.0	1566.8	1567.7	1568.5	10800
10900	1569.4	1570.3	1571.1	1572.0	1572.8	1573.7	1574.5	1575.4	1576.3	1577.1	10900
11000	1578.0	1578.8	1579.7	1580.5	1581.4	1582.2	1583.1	1584.0	1584.8	1585.7	11000
11100	1586.5	1587.4	1588.2	1589.1	1590.0	1590.8	1591.7	1592.5	1593.4	1594.2	11100
11200	1595.1	1595.9	1596.8	1597.7	1598.5	1599.4	1600.2	1601.1	1601.9	1602.8	11200
11300	1603.6	1604.5	1605.4	1606.2	1607.1	1607.9	1608.8	1609.6	1610.5	1611.3	11300
11400	1612.2	1613.1	1613.9	1614.8	1615.6	1616.5	1617.3	1618.2	1619.0	1619.9	11400
11500	1620.7	1621.6	1622.5	1623.3	1624.2	1625.0	1625.9	1626.7	1627.6	1628.4	11500
11600	1629.3	1630.2	1631.0	1631.9	1632.7	1633.6	1634.4	1635.3	1636.1	1637.0	11600
11700	1637.8	1638.7	1639.6	1640.4	1641.3	1642.1	1643.0	1643.8	1644.7	1645.5	11700
11800	1646.4	1647.2	1648.1	1649.0	1649.8	1650.7	1651.5	1652.4	1653.2	1654.1	11800
11900	1654.9	1655.8	1656.7	1657.5	1658.4	1659.2	1660.1	1660.9	1661.8	1662.6	11900

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	10	20	30	40	50	60	70	80	90	E/μV
12000	1663.5	1664.3	1665.2	1666.1	1666.9	1667.8	1668.6	1669.5	1670.3	1671.2	**12000**
12100	1672.0	1672.9	1673.8	1674.6	1675.5	1676.3	1677.2	1678.0	1678.9	1679.8	**12100**
12200	1680.6	1681.5	1682.3	1683.2	1684.0	1684.9	1685.7	1686.6	1687.5	1688.3	**12200**
12300	1689.2	1690.0	1690.9	1691.7	1692.6	1693.5	1694.3	1695.2	1696.0	1696.9	**12300**
12400	1697.7	1698.6	1699.5	1700.3	1701.2	1702.0	1702.9	1703.7	1704.6	1705.5	**12400**
12500	1706.3	1707.2	1708.0	1708.9	1709.8	1710.6	1711.5	1712.3	1713.2	1714.0	**12500**
12600	1714.9	1715.8	1716.6	1717.5	1718.3	1719.2	1720.1	1720.9	1721.8	1722.6	**12600**
12700	1723.5	1724.4	1725.2	1726.1	1726.9	1727.8	1728.7	1729.5	1730.4	1731.2	**12700**
12800	1732.1	1733.0	1733.8	1734.7	1735.5	1736.4	1737.3	1738.1	1739.0	1739.8	**12800**
12900	1740.7	1741.6	1742.4	1743.3	1744.2	1745.0	1745.9	1746.7	1747.6	1748.5	**12900**
13000	1749.3	1750.2	1751.1	1751.9	1752.8	1753.6	1754.5	1755.4	1756.2	1757.1	**13000**
13100	1758.0	1758.8	1759.7	1760.6	1761.4	1762.3	1763.2	1764.0	1764.9	1765.7	**13100**
13200	1766.6	1767.5	1768.3	1769.2	1770.1	1770.9	1771.8	1772.7	1773.5	1774.4	**13200**
13300	1775.3	1776.1	1777.0	1777.9	1778.7	1779.6	1780.5	1781.3	1782.2	1783.1	**13300**
13400	1783.9	1784.8	1785.7	1786.6	1787.4	1788.3	1789.2	1790.0	1790.9	1791.8	**13400**
13500	1792.6	1793.5	1794.4	1795.3	1796.1	1797.0	1797.9	1798.7	1799.6	1800.5	**13500**
13600	1801.3	1802.2	1803.1	1804.0	1804.8	1805.7	1806.6	1807.5	1808.3	1809.2	**13600**
13700	1810.1	1810.9	1811.8	1812.7	1813.6	1814.4	1815.3	1816.2	1817.1	1817.9	**13700**
13800	1818.8	1819.7									

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6. Fer/Cuivre-Nickel (Type J)

Ces tables sont données pour des couples thermoélectriques constitués par du fer commercialement pur (+) et un alliage (−) contenant 45% à 60% de cuivre. Il faut noter que la composition de l'élément négatif est moins critique que l'assortiment des éléments positif et négatif. De plus, l'élément négatif d'un couple thermoélectrique de type J n'est généralement pas interchangeable avec l'élément négatif du type T.

Pour les couples thermoélectriques de type J, cette table s'étend jusqu'à 1200 °C; cependant, il faut noter que lorsqu'un couple thermoélectrique de type J a été utilisé au-dessus de 760 °C, ses caractéristiques, en dessous de 760 °C, peuvent ne plus respecter les valeurs de cette table dans les tolérances spécifiées.

6. Iron/Copper-Nickel (Type J)

The reference tables are given for thermocouples made from commercially pure iron (+) and an alloy (−) containing 45% to 60% copper. It should be noted that the composition of the negative element is not so critical as the matching of the positive and negative elements. Also, the negative element of a Type J thermocouple is generally not interchangeable with the negative element of a Type T.

This table is extended for Type J thermocouples up to 1 200 °C; however, it should be noted that when a Type J thermocouple has been used above 760 °C, its performance below 760 °C may not conform to this table within specified tolerances.

Fer/Cuivre-Nickel — TYPE J — Iron/Copper-Nickel

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	−0	−1	−2	−3	−4	−5	−6	−7	−8	−9	t_{68}/°C
−210	−8096										−210
−200	−7890	−7912	−7934	−7955	−7976	−7996	−8017	−8037	−8057	−8076	−200
−190	−7659	−7683	−7707	−7731	−7755	−7778	−7801	−7824	−7846	−7868	−190
−180	−7402	−7429	−7455	−7482	−7508	−7533	−7559	−7584	−7609	−7634	−180
−170	−7122	−7151	−7180	−7209	−7237	−7265	−7293	−7321	−7348	−7375	−170
−160	−6821	−6852	−6883	−6914	−6944	−6974	−7004	−7034	−7064	−7093	−160
−150	−6499	−6532	−6565	−6598	−6630	−6663	−6695	−6727	−6758	−6790	−150
−140	−6159	−6194	−6228	−6263	−6297	−6331	−6365	−6399	−6433	−6466	−140
−130	−5801	−5837	−5874	−5910	−5946	−5982	−6018	−6053	−6089	−6124	−130
−120	−5426	−5464	−5502	−5540	−5578	−5615	−5653	−5690	−5727	−5764	−120
−110	−5036	−5076	−5115	−5155	−5194	−5233	−5272	−5311	−5349	−5388	−110
−100	−4632	−4673	−4714	−4755	−4795	−4836	−4876	−4916	−4956	−4996	−100
−90	−4215	−4257	−4299	−4341	−4383	−4425	−4467	−4508	−4550	−4591	−90
−80	−3785	−3829	−3872	−3915	−3958	−4001	−4044	−4087	−4130	−4172	−80
−70	−3344	−3389	−3433	−3478	−3522	−3566	−3610	−3654	−3698	−3742	−70
−60	−2892	−2938	−2984	−3029	−3074	−3120	−3165	−3210	−3255	−3299	−60
−50	−2431	−2478	−2524	−2570	−2617	−2663	−2709	−2755	−2801	−2847	−50
−40	−1960	−2008	−2055	−2102	−2150	−2197	−2244	−2291	−2338	−2384	−40
−30	−1481	−1530	−1578	−1626	−1674	−1722	−1770	−1818	−1865	−1913	−30
−20	−995	−1044	−1093	−1141	−1190	−1239	−1288	−1336	−1385	−1433	−20
−10	−501	−550	−600	−650	−699	−748	−798	−847	−896	−945	−10
0	0	−50	−101	−151	−201	−251	−301	−351	−401	−451	0

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
0	0	50	101	151	202	253	303	354	405	456	**0**
10	507	558	609	660	711	762	813	865	916	967	**10**
20	1019	1070	1122	1174	1225	1277	1329	1381	1432	1484	**20**
30	1536	1588	1640	1693	1745	1797	1849	1901	1954	2006	**30**
40	2058	2111	2163	2216	2268	2321	2374	2426	2479	2532	**40**
50	2585	2638	2691	2743	2796	2849	2902	2956	3009	3062	**50**
60	3115	3168	3221	3275	3328	3381	3435	3488	3542	3595	**60**
70	3649	3702	3756	3809	3863	3917	3971	4024	4078	4132	**70**
80	4186	4239	4293	4347	4401	4455	4509	4563	4617	4671	**80**
90	4725	4780	4834	4888	4942	4996	5050	5105	5159	5213	**90**
100	5268	5322	5376	5431	5485	5540	5594	5649	5703	5758	**100**
110	5812	5867	5921	5976	6031	6085	6140	6195	6249	6304	**110**
120	6359	6414	6468	6523	6578	6633	6688	6742	6797	6852	**120**
130	6907	6962	7017	7072	7127	7182	7237	7292	7347	7402	**130**
140	7457	7512	7567	7622	7677	7732	7787	7843	7898	7953	**140**
150	8008	8063	8118	8174	8229	8284	8339	8394	8450	8505	**150**
160	8560	8616	8671	8726	8781	8837	8892	8947	9003	9058	**160**
170	9113	9169	9224	9279	9335	9390	9446	9501	9556	9612	**170**
180	9667	9723	9778	9834	9889	9944	10000	10055	10111	10166	**180**
190	10222	10277	10333	10388	10444	10499	10555	10610	10666	10721	**190**
200	10777	10832	10888	10943	10999	11054	11110	11165	11221	11276	**200**
210	11332	11387	11443	11498	11554	11609	11665	11720	11776	11831	**210**
220	11887	11943	11998	12054	12109	12165	12220	12276	12331	12387	**220**
230	12442	12498	12553	12609	12664	12720	12776	12831	12887	12942	**230**
240	12998	13053	13109	13164	13220	13275	13331	13386	13442	13497	**240**
250	13553	13608	13664	13719	13775	13830	13886	13941	13997	14052	**250**
260	14108	14163	14219	14274	14330	14385	14441	14496	14552	14607	**260**
270	14663	14718	14774	14829	14885	14940	14995	15051	15106	15162	**270**
280	15217	15273	15328	15383	15439	15494	15550	15605	15661	15716	**280**
290	15771	15827	15882	15938	15993	16048	16104	16159	16214	16270	**290**

Fer/Cuivre-Nickel *(suite)* TYPE J Iron/Copper-Nickel *(continued)*

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
300	16325	16380	16436	16491	16547	16602	16657	16713	16768	16823	**300**
310	16879	16934	16989	17044	17100	17155	17210	17266	17321	17376	**310**
320	17432	17487	17542	17597	17653	17708	17763	17818	17874	17929	**320**
330	17984	18039	18095	18150	18205	18260	18316	18371	18426	18481	**330**
340	18537	18592	18647	18702	18757	18813	18868	18923	18978	19033	**340**
350	19089	19144	19199	19254	19309	19364	19420	19475	19530	19585	**350**
360	19640	19695	19751	19806	19861	19916	19971	20026	20081	20137	**360**
370	20192	20247	20302	20357	20412	20467	20523	20578	20633	20688	**370**
380	20743	20798	20853	20909	20964	21019	21074	21129	21184	21239	**380**
390	21295	21350	21405	21460	21515	21570	21625	21680	21736	21791	**390**
400	21846	21901	21956	22011	22066	22122	22177	22232	22287	22342	**400**
410	22397	22453	22508	22563	22618	22673	22728	22784	22839	22894	**410**
420	22949	23004	23060	23115	23170	23225	23280	23336	23391	23446	**420**
430	23501	23556	23612	23667	23722	23777	23833	23888	23943	23999	**430**
440	24054	24109	24164	24220	24275	24330	24386	24441	24496	24552	**440**
450	24607	24662	24718	24773	24829	24884	24939	24995	25050	25106	**450**
460	25161	25217	25272	25327	25383	25438	25494	25549	25605	25661	**460**
470	25716	25772	25827	25883	25938	25994	26050	26105	26161	26216	**470**
480	26272	26328	26383	26439	26495	26551	26606	26662	26718	26774	**480**
490	26829	26885	26941	26997	27053	27109	27165	27220	27276	27332	**490**
500	27388	27444	27500	27556	27612	27668	27724	27780	27836	27893	**500**
510	27949	28005	28061	28117	28173	28230	28286	28342	28398	28455	**510**
520	28511	28567	28624	28680	28736	28793	28849	28906	28962	29019	**520**
530	29075	29132	29188	29245	29301	29358	29415	29471	29528	29585	**530**
540	29642	29698	29755	29812	29869	29926	29983	30039	30096	30153	**540**
550	30210	30267	30324	30381	30439	30496	30553	30610	30667	30724	**550**
560	30782	30839	30896	30954	31011	31068	31126	31183	31241	31298	**560**
570	31356	31413	31471	31528	31586	31644	31702	31759	31817	31875	**570**
580	31933	31991	32048	32106	32164	32222	32280	32338	32396	32455	**580**
590	32513	32571	32629	32687	32746	32804	32862	32921	32979	33038	**590**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
600	33096	33155	33213	33272	33330	33389	33448	33506	33565	33624	**600**
610	33683	33742	33800	33859	33918	33977	34036	34095	34155	34214	**610**
620	34273	34332	34391	34451	34510	34569	34629	34688	34748	34807	**620**
630	34867	34926	34986	35046	35105	35165	35225	35285	35344	35404	**630**
640	35464	35524	35584	35644	35704	35764	35825	35885	35945	36005	**640**
650	36066	36126	36186	36247	36307	36368	36428	36489	36549	36610	**650**
660	36671	36732	36792	36853	36914	36975	37036	37097	37158	37219	**660**
670	37280	37341	37402	37463	37525	37586	37647	37709	37770	37831	**670**
680	37893	37954	38016	38078	38139	38201	38262	38324	38386	38448	**680**
690	38510	38572	38633	38695	38757	38819	38882	38944	39006	39068	**690**
700	39130	39192	39255	39317	39379	39442	39504	39567	39629	39692	**700**
710	39754	39817	39880	39942	40005	40068	40131	40193	40256	40319	**710**
720	40382	40445	40508	40571	40634	40697	40760	40823	40886	40950	**720**
730	41013	41076	41139	41203	41266	41329	41393	41456	41520	41583	**730**
740	41647	41710	41774	41837	41901	41965	42028	42092	42156	42219	**740**
750	42283	42347	42411	42475	42538	42602	42666	42730	42794	42858	**750**
760	42922	42986	43050	43114	43178	43242	43306	43370	43435	43499	**760**
770	43563	43627	43692	43756	43820	43885	43949	44014	44078	44142	**770**
780	44207	44271	44336	44400	44465	44529	44594	44658	44723	44788	**780**
790	44852	44917	44981	45046	45111	45175	45240	45304	45369	45434	**790**
800	45498	45563	45627	45692	45757	45821	45886	45950	46015	46080	**800**
810	46144	46209	46273	46338	46403	46467	46532	46596	46661	46725	**810**
820	46790	46854	46919	46983	47047	47112	47176	47241	47305	47369	**820**
830	47434	47498	47562	47627	47691	47755	47819	47884	47948	48012	**830**
840	48076	48140	48204	48269	48333	48397	48461	48525	48589	48653	**840**
850	48716	48780	48844	48908	48972	49036	49099	49163	49227	49291	**850**
860	49354	49418	49481	49545	49608	49672	49735	49799	49862	49926	**860**
870	49989	50052	50116	50179	50242	50305	50369	50432	50495	50558	**870**
880	50621	50684	50747	50810	50873	50936	50998	51061	51124	51187	**880**
890	51249	51312	51375	51437	51500	51562	51625	51687	51750	51812	**890**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
900	51875	51937	51999	52061	52124	52186	52248	52310	52372	52434	**900**
910	52496	52558	52620	52682	52744	52806	52868	52929	52991	53053	**910**
920	53115	53176	53238	53299	53361	53422	53484	53545	53607	53668	**920**
930	53729	53791	53852	53913	53974	54035	54096	54157	54219	54280	**930**
940	54341	54401	54462	54523	54584	54645	54706	54766	54827	54888	**940**
950	54948	55009	55070	55130	55191	55251	55312	55372	55432	55493	**950**
960	55553	55613	55674	55734	55794	55854	55914	55974	56035	56095	**960**
970	56155	56215	56275	56334	56394	56454	56514	56574	56634	56693	**970**
980	56753	56813	56873	56932	56992	57051	57111	57170	57230	57289	**980**
990	57349	57408	57468	57527	57586	57646	57705	57764	57824	57883	**990**
1000	57942	58001	58060	58120	58179	58238	58297	58356	58415	58474	**1000**
1010	58533	58592	58651	58710	58769	58827	58886	58945	59004	59063	**1010**
1020	59121	59180	59239	59298	59356	59415	59474	59532	59591	59650	**1020**
1030	59708	59767	59825	59884	59942	60001	60059	60118	60176	60235	**1030**
1040	60293	60351	60410	60468	60527	60585	60643	60702	60760	60818	**1040**
1050	60876	60935	60993	61051	61109	61168	61226	61284	61342	61400	**1050**
1060	61459	61517	61575	61633	61691	61749	61807	61865	61923	61981	**1060**
1070	62039	62097	62156	62214	62272	62330	62388	62446	62504	62562	**1070**
1080	62619	62677	62735	62793	62851	62909	62967	63025	63083	63141	**1080**
1090	63199	63257	63314	63372	63430	63488	63546	63604	63662	63719	**1090**
1100	63777	63835	63893	63951	64009	64066	64124	64182	64240	64298	**1100**
1110	64355	64413	64471	64529	64586	64644	64702	64760	64817	64875	**1110**
1120	64933	64991	65048	65106	65164	65222	65279	65337	65395	65453	**1120**
1130	65510	65568	65626	65683	65741	65799	65856	65914	65972	66029	**1130**
1140	66087	66145	66202	66260	66318	66375	66433	66491	66548	66606	**1140**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
1150	66664	66721	66779	66836	66894	66952	67009	67067	67124	67182	**1150**
1160	67240	67297	67355	67412	67470	67527	67585	67643	67700	67758	**1160**
1170	67815	67873	67930	67988	68045	68103	68160	68217	68275	68332	**1170**
1180	68390	68447	68505	68562	68619	68677	68734	68792	68849	68906	**1180**
1190	68964	69021	69078	69135	69193	69250	69307	69364	69422	69479	**1190**
1200	69536										

Fer/Cuivre-Nickel — TYPE J — Iron/Copper-Nickel

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

t_{68}/°C

E/μV	0	−50	−100	−150	−200	−250	−300	−350	−400	−450	E/μV
−8000	−205.2	−207.7									−8000
−7500	−183.7	−185.6	−187.6	−189.6	−191.7	−193.8	−196.0	−198.2	−200.4	−202.8	−7500
−7000	−165.9	−167.5	−169.2	−171.0	−172.7	−174.5	−176.3	−178.1	−179.9	−181.8	−7000
−6500	−150.0	−151.5	−153.1	−154.6	−156.2	−157.7	−159.3	−160.9	−162.6	−164.2	−6500
−6000	−135.5	−136.9	−138.3	−139.7	−141.2	−142.6	−144.1	−145.5	−147.0	−148.5	−6000
−5500	−121.9	−123.3	−124.6	−125.9	−127.3	−128.6	−130.0	−131.4	−132.7	−134.1	−5500
−5000	−109.1	−110.3	−111.6	−112.9	−114.2	−115.4	−116.7	−118.0	−119.3	−120.6	−5000
−4500	−96.8	−98.0	−99.2	−100.4	−101.7	−102.9	−104.1	−105.4	−106.6	−107.8	−4500
−4000	−85.0	−86.1	−87.3	−88.5	−89.7	−90.8	−92.0	−93.2	−94.4	−95.6	−4000
−3500	−73.5	−74.6	−75.8	−76.9	−78.0	−79.2	−80.3	−81.5	−82.6	−83.8	−3500
−3000	−62.4	−63.5	−64.6	−65.7	−66.8	−67.9	−69.0	−70.1	−71.3	−72.4	−3000
−2500	−51.5	−52.6	−53.6	−54.7	−55.8	−56.9	−58.0	−59.1	−60.2	−61.3	−2500
−2000	−40.8	−41.9	−42.9	−44.0	−45.1	−46.1	−47.2	−48.3	−49.3	−50.4	−2000
−1500	−30.4	−31.4	−32.5	−33.5	−34.5	−35.6	−36.6	−37.7	−38.7	−39.8	−1500
−1000	−20.1	−21.1	−22.2	−23.2	−24.2	−25.2	−26.3	−27.3	−28.3	−29.4	−1000
−500	−10.0	−11.0	−12.0	−13.0	−14.0	−15.0	−16.0	−17.1	−18.1	−19.1	−500
0	0.0	−1.0	−2.0	−3.0	−4.0	−5.0	−6.0	−7.0	−8.0	−9.0	0

E/μV	0	50	100	150	200	250	300	350	400	450	E/μV
0	0.0	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.9	8.9	0
500	9.9	10.8	11.8	12.8	13.8	14.8	15.7	16.7	17.7	18.7	500
1000	19.6	20.6	21.6	22.5	23.5	24.5	25.4	26.4	27.4	28.3	1000
1500	29.3	30.3	31.2	32.2	33.1	34.1	35.1	36.0	37.0	37.9	1500
2000	38.9	39.8	40.8	41.7	42.7	43.6	44.6	45.5	46.5	47.4	2000
2500	48.4	49.3	50.3	51.2	52.2	53.1	54.1	55.0	56.0	56.9	2500
3000	57.8	58.8	59.7	60.7	61.6	62.5	63.5	64.4	65.3	66.3	3000
3500	67.2	68.2	69.1	70.0	71.0	71.9	72.8	73.8	74.7	75.6	3500
4000	76.5	77.5	78.4	79.3	80.3	81.2	82.1	83.1	84.0	84.9	4000
4500	85.8	86.8	87.7	88.6	89.5	90.5	91.4	92.3	93.2	94.1	4500

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	50	100	150	200	250	300	350	400	450	E/μV
5000	95.1	96.0	96.9	97.8	98.8	99.7	100.6	101.5	102.4	103.4	**5000**
5500	104.3	105.2	106.1	107.0	107.9	108.9	109.8	110.7	111.6	112.5	**5500**
6000	113.4	114.4	115.3	116.2	117.1	118.0	118.9	119.8	120.8	121.7	**6000**
6500	122.6	123.5	124.4	125.3	126.2	127.1	128.0	129.0	129.9	130.8	**6500**
7000	131.7	132.6	133.5	134.4	135.3	136.2	137.1	138.1	139.0	139.9	**7000**
7500	140.8	141.7	142.6	143.5	144.4	145.3	146.2	147.1	148.0	148.9	**7500**
8000	149.9	150.8	151.7	152.6	153.5	154.4	155.3	156.2	157.1	158.0	**8000**
8500	158.9	159.8	160.7	161.6	162.5	163.4	164.3	165.2	166.1	167.0	**8500**
9000	168.0	168.9	169.8	170.7	171.6	172.5	173.4	174.3	175.2	176.1	**9000**
9500	177.0	177.9	178.8	179.7	180.6	181.5	182.4	183.3	184.2	185.1	**9500**
10000	186.0	186.9	187.8	188.7	189.6	190.5	191.4	192.3	193.2	194.1	**10000**
10500	195.0	195.9	196.8	197.7	198.6	199.5	200.4	201.3	202.2	203.1	**10500**
11000	204.0	204.9	205.8	206.7	207.6	208.5	209.4	210.3	211.2	212.1	**11000**
11500	213.0	213.9	214.8	215.7	216.6	217.5	218.4	219.3	220.2	221.1	**11500**
12000	222.0	222.9	223.8	224.7	225.6	226.5	227.4	228.3	229.2	230.1	**12000**
12500	231.0	231.9	232.8	233.7	234.6	235.5	236.4	237.3	238.2	239.1	**12500**
13000	240.0	240.9	241.8	242.7	243.6	244.5	245.4	246.3	247.2	248.1	**13000**
13500	249.0	249.9	250.8	251.7	252.6	253.6	254.5	255.4	256.3	257.2	**13500**
14000	258.1	259.0	259.9	260.8	261.7	262.6	263.5	264.4	265.3	266.2	**14000**
14500	267.1	268.0	268.9	269.8	270.7	271.6	272.5	273.4	274.3	275.2	**14500**
15000	276.1	277.0	277.9	278.8	279.7	280.6	281.5	282.4	283.3	284.2	**15000**
15500	285.1	286.0	286.9	287.8	288.7	289.6	290.5	291.4	292.3	293.2	**15500**
16000	294.1	295.0	295.9	296.8	297.7	298.6	299.5	300.4	301.4	302.3	**16000**
16500	303.2	304.1	305.0	305.9	306.8	307.7	308.6	309.5	310.4	311.3	**16500**
17000	312.2	313.1	314.0	314.9	315.8	316.7	317.6	318.5	319.4	320.3	**17000**
17500	321.2	322.1	323.0	324.0	324.9	325.8	326.7	327.6	328.5	329.4	**17500**
18000	330.3	331.2	332.1	333.0	333.9	334.8	335.7	336.6	337.5	338.4	**18000**
18500	339.3	340.2	341.2	342.1	343.0	343.9	344.8	345.7	346.6	347.5	**18500**
19000	348.4	349.3	350.2	351.1	352.0	352.9	353.8	354.7	355.6	356.6	**19000**
19500	357.5	358.4	359.3	360.2	361.1	362.0	362.9	363.8	364.7	365.6	**19500**

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	50	100	150	200	250	300	350	400	450	E/μV
20000	366.5	367.4	368.3	369.2	370.1	371.1	372.0	372.9	373.8	374.7	20000
20500	375.6	376.5	377.4	378.3	379.2	380.1	381.0	381.9	382.8	383.8	20500
21000	384.7	385.6	386.5	387.4	388.3	389.2	390.1	391.0	391.9	392.8	21000
21500	393.7	394.6	395.5	396.4	397.4	398.3	399.2	400.1	401.0	401.9	21500
22000	402.8	403.7	404.6	405.5	406.4	407.3	408.2	409.1	410.0	411.0	22000
22500	411.9	412.8	413.7	414.6	415.5	416.4	417.3	418.2	419.1	420.0	22500
23000	420.9	421.8	422.7	423.6	424.5	425.5	426.4	427.3	428.2	429.1	23000
23500	430.0	430.9	431.8	432.7	433.6	434.5	435.4	436.3	437.2	438.1	23500
24000	439.0	439.9	440.8	441.7	442.6	443.5	444.5	445.4	446.3	447.2	24000
24500	448.1	449.0	449.9	450.8	451.7	452.6	453.5	454.4	455.3	456.2	24500
25000	457.1	458.0	458.9	459.8	460.7	461.6	462.5	463.4	464.3	465.2	25000
25500	466.1	467.0	467.9	468.8	469.7	470.6	471.5	472.4	473.3	474.2	25500
26000	475.1	476.0	476.9	477.8	478.7	479.6	480.5	481.4	482.3	483.2	26000
26500	484.1	485.0	485.9	486.8	487.7	488.6	489.5	490.4	491.3	492.2	26500
27000	493.1	494.0	494.8	495.7	496.6	497.5	498.4	499.3	500.2	501.1	27000
27500	502.0	502.9	503.8	504.7	505.6	506.5	507.4	508.2	509.1	510.0	27500
28000	510.9	511.8	512.7	513.6	514.5	515.4	516.3	517.1	518.0	518.9	28000
28500	519.8	520.7	521.6	522.5	523.4	524.2	525.1	526.0	526.9	527.8	28500
29000	528.7	529.6	530.4	531.3	532.2	533.1	534.0	534.9	535.7	536.6	29000
29500	537.5	538.4	539.3	540.1	541.0	541.9	542.8	543.7	544.5	545.4	29500
30000	546.3	547.2	548.1	548.9	549.8	550.7	551.6	552.4	553.3	554.2	30000
30500	555.1	556.0	556.8	557.7	558.6	559.4	560.3	561.2	562.1	562.9	30500
31000	563.8	564.7	565.6	566.4	567.3	568.2	569.0	569.9	570.8	571.6	31000
31500	572.5	573.4	574.2	575.1	576.0	576.8	577.7	578.6	579.4	580.3	31500
32000	581.2	582.0	582.9	583.8	584.6	585.5	586.3	587.2	588.1	588.9	32000
32500	589.8	590.6	591.5	592.4	593.2	594.1	594.9	595.8	596.6	597.5	32500
33000	598.4	599.2	600.1	600.9	601.8	602.6	603.5	604.3	605.2	606.0	33000
33500	606.9	607.7	608.6	609.4	610.3	611.1	612.0	612.8	613.7	614.5	33500
34000	615.4	616.2	617.1	617.9	618.8	619.6	620.5	621.3	622.1	623.0	34000
34500	623.8	624.7	625.5	626.4	627.2	628.0	628.9	629.7	630.6	631.4	34500

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	50	100	150	200	250	300	350	400	450	E/μV
35000	632.2	633.1	633.9	634.7	635.6	636.4	637.3	638.1	638.9	639.8	**35000**
35500	640.6	641.4	642.3	643.1	643.9	644.8	645.6	646.4	647.3	648.1	**35500**
36000	648.9	649.7	650.6	651.4	652.2	653.1	653.9	654.7	655.5	656.4	**36000**
36500	657.2	658.0	658.8	659.7	660.5	661.3	662.1	662.9	663.8	664.6	**36500**
37000	665.4	666.2	667.1	667.9	668.7	669.5	670.3	671.1	672.0	672.8	**37000**
37500	673.6	674.4	675.2	676.0	676.9	677.7	678.5	679.3	680.1	680.9	**37500**
38000	681.7	682.6	683.4	684.2	685.0	685.8	686.6	687.4	688.2	689.0	**38000**
38500	689.8	690.7	691.5	692.3	693.1	693.9	694.7	695.5	696.3	697.1	**38500**
39000	697.9	698.7	699.5	700.3	701.1	701.9	702.7	703.5	704.3	705.1	**39000**
39500	705.9	706.7	707.5	708.3	709.1	709.9	710.7	711.5	712.3	713.1	**39500**
40000	713.9	714.7	715.5	716.3	717.1	717.9	718.7	719.5	720.3	721.1	**40000**
40500	721.9	722.7	723.5	724.3	725.0	725.8	726.6	727.4	728.2	729.0	**40500**
41000	729.8	730.6	731.4	732.2	733.0	733.7	734.5	735.3	736.1	736.9	**41000**
41500	737.7	738.5	739.3	740.1	740.8	741.6	742.4	743.2	744.0	744.8	**41500**
42000	745.6	746.3	747.1	747.9	748.7	749.5	750.3	751.0	751.8	752.6	**42000**
42500	753.4	754.2	755.0	755.7	756.5	757.3	758.1	758.9	759.7	760.4	**42500**
43000	761.2	762.0	762.8	763.6	764.3	765.1	765.9	766.7	767.5	768.2	**43000**
43500	769.0	769.8	770.6	771.4	772.1	772.9	773.7	774.5	775.2	776.0	**43500**
44000	776.8	777.6	778.3	779.1	779.9	780.7	781.4	782.2	783.0	783.8	**44000**
44500	784.5	785.3	786.1	786.9	787.6	788.4	789.2	790.0	790.7	791.5	**44500**
45000	792.3	793.1	793.8	794.6	795.4	796.2	796.9	797.7	798.5	799.3	**45000**
45500	800.0	800.8	801.6	802.3	803.1	803.9	804.7	805.4	806.2	807.0	**45500**
46000	807.8	808.5	809.3	810.1	810.9	811.6	812.4	813.2	814.0	814.7	**46000**
46500	815.5	816.3	817.1	817.8	818.6	819.4	820.2	820.9	821.7	822.5	**46500**
47000	823.3	824.0	824.8	825.6	826.4	827.1	827.9	828.7	829.5	830.3	**47000**
47500	831.0	831.8	832.6	833.4	834.1	834.9	835.7	836.5	837.3	838.0	**47500**
48000	838.8	839.6	840.4	841.2	841.9	842.7	843.5	844.3	845.1	845.8	**48000**
48500	846.6	847.4	848.2	849.0	849.7	850.5	851.3	852.1	852.9	853.7	**48500**
49000	854.4	855.2	856.0	856.8	857.6	858.4	859.1	859.9	860.7	861.5	**49000**
49500	862.3	863.1	863.9	864.7	865.4	866.2	867.0	867.8	868.6	869.4	**49500**

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	50	100	150	200	250	300	350	400	450	E/μV
50000	870.2	871.0	871.8	872.5	873.3	874.1	874.9	875.7	876.5	877.3	50000
50500	878.1	878.9	879.7	880.5	881.3	882.1	882.8	883.6	884.4	885.2	50500
51000	886.0	886.8	887.6	888.4	889.2	890.0	890.8	891.6	892.4	893.2	51000
51500	894.0	894.8	895.6	896.4	897.2	898.0	898.8	899.6	900.4	901.2	51500
52000	902.0	902.8	903.6	904.4	905.2	906.0	906.8	907.6	908.4	909.3	52000
52500	910.1	910.9	911.7	912.5	913.3	914.1	914.9	915.7	916.5	917.3	52500
53000	918.1	919.0	919.8	920.6	921.4	922.2	923.0	923.8	924.6	925.5	53000
53500	926.3	927.1	927.9	928.7	929.5	930.3	931.2	932.0	932.8	933.6	53500
54000	934.4	935.2	936.1	936.9	937.7	938.5	939.3	940.2	941.0	941.8	54000
54500	942.6	943.4	944.3	945.1	945.9	946.7	947.6	948.4	949.2	950.0	54500
55000	950.9	951.7	952.5	953.3	954.2	955.0	955.8	956.6	957.5	958.3	55000
55500	959.1	959.9	960.8	961.6	962.4	963.3	964.1	964.9	965.8	966.6	55500
56000	967.4	968.3	969.1	969.9	970.8	971.6	972.4	973.3	974.1	974.9	56000
56500	975.8	976.6	977.4	978.3	979.1	979.9	980.8	981.6	982.5	983.3	56500
57000	984.1	985.0	985.8	986.7	987.5	988.3	989.2	990.0	990.9	991.7	57000
57500	992.5	993.4	994.2	995.1	995.9	996.8	997.6	998.4	999.3	1000.1	57500
58000	1001.0	1001.8	1002.7	1003.5	1004.4	1005.2	1006.1	1006.9	1007.7	1008.6	58000
58500	1009.4	1010.3	1011.1	1012.0	1012.8	1013.7	1014.5	1015.4	1016.2	1017.1	58500
59000	1017.9	1018.8	1019.6	1020.5	1021.3	1022.2	1023.0	1023.9	1024.7	1025.6	59000
59500	1026.4	1027.3	1028.2	1029.0	1029.9	1030.7	1031.6	1032.4	1033.3	1034.1	59500
60000	1035.0	1035.8	1036.7	1037.6	1038.4	1039.3	1040.1	1041.0	1041.8	1042.7	60000
60500	1043.5	1044.4	1045.3	1046.1	1047.0	1047.8	1048.7	1049.5	1050.4	1051.3	60500
61000	1052.1	1053.0	1053.8	1054.7	1055.6	1056.4	1057.3	1058.1	1059.0	1059.9	61000
61500	1060.7	1061.6	1062.4	1063.3	1064.2	1065.0	1065.9	1066.7	1067.6	1068.5	61500
62000	1069.3	1070.2	1071.0	1071.9	1072.8	1073.6	1074.5	1075.4	1076.2	1077.1	62000
62500	1077.9	1078.8	1079.7	1080.5	1081.4	1082.3	1083.1	1084.0	1084.8	1085.7	62500
63000	1086.6	1087.4	1088.3	1089.2	1090.0	1090.9	1091.8	1092.6	1093.5	1094.3	63000
63500	1095.2	1096.1	1096.9	1097.8	1098.7	1099.5	1100.4	1101.3	1102.1	1103.0	63500
64000	1103.9	1104.7	1105.6	1106.4	1107.3	1108.2	1109.0	1109.9	1110.8	1111.6	64000
64500	1112.5	1113.4	1114.2	1115.1	1116.0	1116.8	1117.7	1118.6	1119.4	1120.3	64500

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

	t_{68}/°C										
E/μV	0	50	100	150	200	250	300	350	400	450	E/μV
65000	1121.2	1122.0	1122.9	1123.8	1124.6	1125.5	1126.4	1127.2	1128.1	1129.0	**65000**
65500	1129.8	1130.7	1131.6	1132.4	1133.3	1134.2	1135.0	1135.9	1136.8	1137.6	**65500**
66000	1138.5	1139.4	1140.2	1141.1	1142.0	1142.8	1143.7	1144.6	1145.4	1146.3	**66000**
66500	1147.2	1148.0	1148.9	1149.8	1150.6	1151.5	1152.4	1153.2	1154.1	1155.0	**66500**
67000	1155.8	1156.7	1157.6	1158.4	1159.3	1160.2	1161.0	1161.9	1162.8	1163.7	**67000**
67500	1164.5	1165.4	1166.3	1167.1	1168.0	1168.9	1169.7	1170.6	1171.5	1172.3	**67500**
68000	1173.2	1174.1	1175.0	1175.8	1176.7	1177.6	1178.4	1179.3	1180.2	1181.0	**68000**
68500	1181.9	1182.8	1183.7	1184.5	1185.4	1186.3	1187.1	1188.0	1188.9	1189.8	**68500**
69000	1190.6	1191.5	1192.4	1193.3	1194.1	1195.0	1195.9	1196.7	1197.6	1198.5	**69000**
69500	1199.4										

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7. Cuivre/Cuivre-Nickel (Type T)

Ces tables sont données pour des couples thermoélectriques constitués par du cuivre commercialement pur (+) et un alliage contenant 45% à 60% de cuivre. Il faut noter que la composition de l'élément négatif est moins critique que l'assortiment des éléments positif et négatif. De plus, l'élément négatif d'un thermocouple de type T n'est généralement pas interchangeable avec l'élément négatif d'un type J.

7. Copper/Copper-Nickel (Type T)

The reference tables are given for thermocouples made from commercially pure copper (+) and an alloy containing 45% to 60% copper. It should be noted that the composition of the negative element is not so critical as the matching of the positive and negative elements. Also, the negative element of a Type T thermocouple is generally not interchangeable with the negative element of a Type J.

Cuivre/Cuivre-Nickel — TYPE T — Copper/Copper-Nickel

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	−1	−2	−3	−4	−5	−6	−7	−8	−9	t_{68}/°C
−270	−6258										**−270**
−260	−6232	−6236	−6239	−6242	−6245	−6248	−6251	−6253	−6255	−6256	**−260**
−250	−6181	−6187	−6193	−6198	−6204	−6209	−6214	−6219	−6224	−6228	**−250**
−240	−6105	−6114	−6122	−6130	−6138	−6146	−6153	−6160	−6167	−6174	**−240**
−230	−6007	−6018	−6028	−6039	−6049	−6059	−6068	−6078	−6087	−6096	**−230**
−220	−5889	−5901	−5914	−5926	−5938	−5950	−5962	−5973	−5985	−5996	**−220**
−210	−5753	−5767	−5782	−5795	−5809	−5823	−5836	−5850	−5863	−5876	**−210**
−200	−5603	−5619	−5634	−5650	−5665	−5680	−5695	−5710	−5724	−5739	**−200**
−190	−5439	−5456	−5473	−5489	−5506	−5522	−5539	−5555	−5571	−5587	**−190**
−180	−5261	−5279	−5297	−5315	−5333	−5351	−5369	−5387	−5404	−5421	**−180**
−170	−5069	−5089	−5109	−5128	−5147	−5167	−5186	−5205	−5223	−5242	**−170**
−160	−4865	−4886	−4907	−4928	−4948	−4969	−4989	−5010	−5030	−5050	**−160**
−150	−4648	−4670	−4693	−4715	−4737	−4758	−4780	−4801	−4823	−4844	**−150**
−140	−4419	−4442	−4466	−4489	−4512	−4535	−4558	−4581	−4603	−4626	**−140**
−130	−4177	−4202	−4226	−4251	−4275	−4299	−4323	−4347	−4371	−4395	**−130**
−120	−3923	−3949	−3974	−4000	−4026	−4051	−4077	−4102	−4127	−4152	**−120**
−110	−3656	−3684	−3711	−3737	−3764	−3791	−3818	−3844	−3870	−3897	**−110**
−100	−3378	−3407	−3435	−3463	−3491	−3519	−3547	−3574	−3602	−3629	**−100**
−90	−3089	−3118	−3147	−3177	−3206	−3235	−3264	−3293	−3321	−3350	**−90**
−80	−2788	−2818	−2849	−2879	−2909	−2939	−2970	−2999	−3029	−3059	**−80**
−70	−2475	−2507	−2539	−2570	−2602	−2633	−2664	−2695	−2726	−2757	**−70**
−60	−2152	−2185	−2218	−2250	−2283	−2315	−2348	−2380	−2412	−2444	**−60**
−50	−1819	−1853	−1886	−1920	−1953	−1987	−2020	−2053	−2087	−2120	**−50**
−40	−1475	−1510	−1544	−1579	−1614	−1648	−1682	−1717	−1751	−1785	**−40**
−30	−1121	−1157	−1192	−1228	−1263	−1299	−1334	−1370	−1405	−1440	**−30**
−20	−757	−794	−830	−867	−903	−940	−976	−1013	−1049	−1085	**−20**
−10	−383	−421	−458	−496	−534	−571	−608	−646	−683	−720	**−10**
0	0	−39	−77	−116	−154	−193	−231	−269	−307	−345	**0**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
0	0	39	78	117	156	195	234	273	312	351	**0**
10	391	430	470	510	549	589	629	669	709	749	**10**
20	789	830	870	911	951	992	1032	1073	1114	1155	**20**
30	1196	1237	1279	1320	1361	1403	1444	1486	1528	1569	**30**
40	1611	1653	1695	1738	1780	1822	1865	1907	1950	1992	**40**
50	2035	2078	2121	2164	2207	2250	2294	2337	2380	2424	**50**
60	2467	2511	2555	2599	2643	2687	2731	2775	2819	2864	**60**
70	2908	2953	2997	3042	3087	3131	3176	3221	3266	3312	**70**
80	3357	3402	3447	3493	3538	3584	3630	3676	3721	3767	**80**
90	3813	3859	3906	3952	3998	4044	4091	4137	4184	4231	**90**
100	4277	4324	4371	4418	4465	4512	4559	4607	4654	4701	**100**
110	4749	4796	4844	4891	4939	4987	5035	5083	5131	5179	**110**
120	5227	5275	5324	5372	5420	5469	5517	5566	5615	5663	**120**
130	5712	5761	5810	5859	5908	5957	6007	6056	6105	6155	**130**
140	6204	6254	6303	6353	6403	6452	6502	6552	6602	6652	**140**
150	6702	6753	6803	6853	6903	6954	7004	7055	7106	7156	**150**
160	7207	7258	7309	7360	7411	7462	7513	7564	7615	7666	**160**
170	7718	7769	7821	7872	7924	7975	8027	8079	8131	8183	**170**
180	8235	8287	8339	8391	8443	8495	8548	8600	8652	8705	**180**
190	8757	8810	8863	8915	8968	9021	9074	9127	9180	9233	**190**
200	9286	9339	9392	9446	9499	9553	9606	9659	9713	9767	**200**
210	9820	9874	9928	9982	10036	10090	10144	10198	10252	10306	**210**
220	10360	10414	10469	10523	10578	10632	10687	10741	10796	10851	**220**
230	10905	10960	11015	11070	11125	11180	11235	11290	11345	11401	**230**
240	11456	11511	11566	11622	11677	11733	11788	11844	11900	11956	**240**
250	12011	12067	12123	12179	12235	12291	12347	12403	12459	12515	**250**
260	12572	12628	12684	12741	12797	12854	12910	12967	13024	13080	**260**
270	13137	13194	13251	13307	13364	13421	13478	13535	13592	13650	**270**
280	13707	13764	13821	13879	13936	13993	14051	14108	14166	14223	**280**
290	14281	14339	14396	14454	14512	14570	14628	14686	14744	14802	**290**

Cuivre/Cuivre-Nickel *(suite)* TYPE T Copper/Copper-Nickel *(continued)*

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

$t_{68}/°C$	0	1	2	3	4	5	6	7	8	9	$t_{68}/°C$
300	14860	14918	14976	15034	15092	15151	15209	15267	15326	15384	**300**
310	15443	15501	15560	15619	15677	15736	15795	15853	15912	15971	**310**
320	16030	16089	16148	16207	16266	16325	16384	16444	16503	16562	**320**
330	16621	16681	16740	16800	16859	16919	16978	17038	17097	17157	**330**
340	17217	17277	17336	17396	17456	17516	17576	17636	17696	17756	**340**
350	17816	17877	17937	17997	18057	18118	18178	18238	18299	18359	**350**
360	18420	18480	18541	18602	18662	18723	18784	18845	18905	18966	**360**
370	19027	19088	19149	19210	19271	19332	19393	19455	19516	19577	**370**
380	19638	19699	19761	19822	19883	19945	20006	20068	20129	20191	**380**
390	20252	20314	20376	20437	20499	20560	20622	20684	20746	20807	**390**
400	20869										

Cuivre/Cuivre-Nickel — TYPE T — Copper/Copper-Nickel

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

t_{68}/°C

E/μV	0	−50	−100	−150	−200	−250	−300	−350	−400	−450	E/μV
−6000	-229.4	-234.1	-239.4	-245.6	-253.3	-265.7					−6000
−5500	-193.6	-196.7	-199.8	-203.0	-206.3	-209.8	-213.3	-217.0	-220.9	-225.0	−5500
−5000	-166.5	-169.0	-171.6	-174.1	-176.8	-179.4	-182.1	-184.9	-187.8	-190.7	−5000
−4500	-143.5	-145.7	-147.9	-150.1	-152.3	-154.6	-156.9	-159.3	-161.7	-164.1	−4500
−4000	-123.0	-125.0	-126.9	-128.9	-130.9	-133.0	-135.0	-137.1	-139.2	-141.3	−4000
−3500	-104.3	-106.1	-107.9	-109.8	-111.6	-113.5	-115.3	-117.2	-119.1	-121.1	−3500
−3000	-87.0	-88.7	-90.4	-92.1	-93.8	-95.5	-97.3	-99.0	-100.8	-102.5	−3000
−2500	-70.8	-72.4	-73.9	-75.5	-77.2	-78.8	-80.4	-82.0	-83.7	-85.4	−2500
−2000	-55.4	-56.9	-58.4	-59.9	-61.5	-63.0	-64.5	-66.1	-67.6	-69.2	−2000
−1500	-40.7	-42.2	-43.6	-45.1	-46.5	-48.0	-49.4	-50.9	-52.4	-53.9	−1500
−1000	-26.7	-28.0	-29.4	-30.8	-32.2	-33.6	-35.0	-36.4	-37.9	-39.3	−1000
−500	-13.1	-14.4	-15.8	-17.1	-18.5	-19.8	-21.2	-22.5	-23.9	-25.3	−500
0	0.0	-1.3	-2.6	-3.9	-5.2	-6.5	-7.8	-9.1	-10.4	-11.8	0

E/μV	0	50	100	150	200	250	300	350	400	450	E/μV
0	0.0	1.3	2.6	3.9	5.1	6.4	7.7	9.0	10.2	11.5	0
500	12.8	14.0	15.3	16.5	17.8	19.0	20.3	21.5	22.7	24.0	500
1000	25.2	26.4	27.7	28.9	30.1	31.3	32.5	33.7	34.9	36.1	1000
1500	37.3	38.5	39.7	40.9	42.1	43.3	44.5	45.7	46.8	48.0	1500
2000	49.2	50.3	51.5	52.7	53.8	55.0	56.1	57.3	58.5	59.6	2000
2500	60.7	61.9	63.0	64.2	65.3	66.4	67.6	68.7	69.8	70.9	2500
3000	72.1	73.2	74.3	75.4	76.5	77.6	78.7	79.8	81.0	82.1	3000
3500	83.2	84.3	85.3	86.4	87.5	88.6	89.7	90.8	91.9	93.0	3500
4000	94.0	95.1	96.2	97.3	98.3	99.4	100.5	101.6	102.6	103.7	4000
4500	104.7	105.8	106.9	107.9	109.0	110.0	111.1	112.1	113.2	114.2	4500

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

	t_{68}/°C										
E/μV	0	50	100	150	200	250	300	350	400	450	E/μV
5000	115.3	116.3	117.4	118.4	119.4	120.5	121.5	122.5	123.6	124.6	5000
5500	125.6	126.7	127.7	128.7	129.7	130.8	131.8	132.8	133.8	134.9	5500
6000	135.9	136.9	137.9	138.9	139.9	140.9	141.9	142.9	143.9	145.0	6000
6500	146.0	147.0	148.0	149.0	150.0	150.9	151.9	152.9	153.9	154.9	6500
7000	155.9	156.9	157.9	158.9	159.9	160.8	161.8	162.8	163.8	164.8	7000
7500	165.8	166.7	167.7	168.7	169.7	170.6	171.6	172.6	173.5	174.5	7500
8000	175.5	176.4	177.4	178.4	179.3	180.3	181.3	182.2	183.2	184.1	8000
8500	185.1	186.0	187.0	188.0	188.9	189.9	190.8	191.8	192.7	193.7	8500
9000	194.6	195.5	196.5	197.4	198.4	199.3	200.3	201.2	202.1	203.1	9000
9500	204.0	205.0	205.9	206.8	207.8	208.7	209.6	210.6	211.5	212.4	9500
10000	213.3	214.3	215.2	216.1	217.0	218.0	218.9	219.8	220.7	221.7	10000
10500	222.6	223.5	224.4	225.3	226.2	227.2	228.1	229.0	229.9	230.8	10500
11000	231.7	232.6	233.5	234.5	235.4	236.3	237.2	238.1	239.0	239.9	11000
11500	240.8	241.7	242.6	243.5	244.4	245.3	246.2	247.1	248.0	248.9	11500
12000	249.8	250.7	251.6	252.5	253.4	254.3	255.2	256.1	256.9	257.8	12000
12500	258.7	259.6	260.5	261.4	262.3	263.2	264.0	264.9	265.8	266.7	12500
13000	267.6	268.5	269.3	270.2	271.1	272.0	272.9	273.7	274.6	275.5	13000
13500	276.4	277.3	278.1	279.0	279.9	280.8	281.6	282.5	283.4	284.2	13500
14000	285.1	286.0	286.9	287.7	288.6	289.5	290.3	291.2	292.1	292.9	14000
14500	293.8	294.7	295.5	296.4	297.2	298.1	299.0	299.8	300.7	301.6	14500
15000	302.4	303.3	304.1	305.0	305.8	306.7	307.6	308.4	309.3	310.1	15000
15500	311.0	311.8	312.7	313.5	314.4	315.2	316.1	316.9	317.8	318.6	15500
16000	319.5	320.3	321.2	322.0	322.9	323.7	324.6	325.4	326.3	327.1	16000
16500	328.0	328.8	329.6	330.5	331.3	332.2	333.0	333.8	334.7	335.5	16500
17000	336.4	337.2	338.0	338.9	339.7	340.6	341.4	342.2	343.1	343.9	17000

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

E/μV	t_{68}/°C 0	50	100	150	200	250	300	350	400	450	E/μV
17500	344.7	345.6	346.4	347.2	348.1	348.9	349.7	350.6	351.4	352.2	**17500**
18000	353.0	353.9	354.7	355.5	356.4	357.2	358.0	358.8	359.7	360.5	**18000**
18500	361.3	362.1	363.0	363.8	364.6	365.4	366.3	367.1	367.9	368.7	**18500**
19000	369.6	370.4	371.2	372.0	372.8	373.7	374.5	375.3	376.1	376.9	**19000**
19500	377.7	378.6	379.4	380.2	381.0	381.8	382.6	383.5	384.3	385.1	**19500**
20000	385.9	386.7	387.5	388.3	389.1	390.0	390.8	391.6	392.4	393.2	**20000**
20500	394.0	394.8	395.6	396.5	397.3	398.1	398.9	399.7			**20500**

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8. **Nickel-Chrome/Cuivre-Nickel (Type E)**

Ces tables sont données pour des couples thermoélectriques constitués par différents alliages commercialisés composés des éléments cités. Comme pour d'autres couples thermoélectriques de métaux ordinaires il n'a pas été défini d'alliage normalisé.

8. **Nickel-Chromium/Copper-Nickel (Type E)**

The reference tables are given for thermocouples made from various trade-marked alloys of the listed elements. As with other base metal thermocouples, standard alloys have not been established.

Nickel-Chrome/Cuivre-Nickel — TYPE E — Nickel-Chromium/Copper-Nickel

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	−1	−2	−3	−4	−5	−6	−7	−8	−9	t_{68}/°C
−270	−9835										−270
−260	−9797	−9802	−9808	−9813	−9817	−9821	−9825	−9828	−9831	−9833	−260
−250	−9719	−9728	−9737	−9746	−9754	−9762	−9770	−9777	−9784	−9791	−250
−240	−9604	−9617	−9630	−9642	−9654	−9666	−9677	−9688	−9699	−9709	−240
−230	−9455	−9472	−9488	−9503	−9519	−9534	−9549	−9563	−9577	−9591	−230
−220	−9274	−9293	−9313	−9332	−9350	−9368	−9386	−9404	−9421	−9438	−220
−210	−9063	−9085	−9107	−9129	−9151	−9172	−9193	−9214	−9234	−9254	−210
−200	−8824	−8850	−8874	−8899	−8923	−8947	−8971	−8994	−9017	−9040	−200
−190	−8561	−8588	−8615	−8642	−8669	−8696	−8722	−8748	−8774	−8799	−190
−180	−8273	−8303	−8333	−8362	−8391	−8420	−8449	−8477	−8505	−8533	−180
−170	−7963	−7995	−8027	−8058	−8090	−8121	−8152	−8183	−8213	−8243	−170
−160	−7631	−7665	−7699	−7733	−7767	−7800	−7833	−7866	−7898	−7931	−160
−150	−7279	−7315	−7351	−7387	−7422	−7458	−7493	−7528	−7562	−7597	−150
−140	−6907	−6945	−6983	−7020	−7058	−7095	−7132	−7169	−7206	−7243	−140
−130	−6516	−6556	−6596	−6635	−6675	−6714	−6753	−6792	−6830	−6869	−130
−120	−6107	−6149	−6190	−6231	−6273	−6314	−6354	−6395	−6436	−6476	−120
−110	−5680	−5724	−5767	−5810	−5853	−5896	−5938	−5981	−6023	−6065	−110
−100	−5237	−5282	−5327	−5371	−5416	−5460	−5505	−5549	−5593	−5637	−100
−90	−4777	−4824	−4870	−4916	−4963	−5009	−5055	−5100	−5146	−5191	−90
−80	−4301	−4350	−4398	−4446	−4493	−4541	−4588	−4636	−4683	−4730	−80
−70	−3811	−3860	−3910	−3959	−4009	−4058	−4107	−4156	−4204	−4253	−70
−60	−3306	−3357	−3408	−3459	−3509	−3560	−3610	−3661	−3711	−3761	−60
−50	−2787	−2839	−2892	−2944	−2996	−3048	−3100	−3152	−3203	−3254	−50
−40	−2254	−2308	−2362	−2416	−2469	−2522	−2575	−2628	−2681	−2734	−40
−30	−1709	−1764	−1819	−1874	−1929	−1983	−2038	−2092	−2146	−2200	−30
−20	−1151	−1208	−1264	−1320	−1376	−1432	−1487	−1543	−1599	−1654	−20
−10	−581	−639	−696	−754	−811	−868	−925	−982	−1038	−1095	−10
0	0	−59	−117	−176	−234	−292	−350	−408	−466	−524	0

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
0	0	59	118	176	235	295	354	413	472	532	**0**
10	591	651	711	770	830	890	950	1011	1071	1131	**10**
20	1192	1252	1313	1373	1434	1495	1556	1617	1678	1739	**20**
30	1801	1862	1924	1985	2047	2109	2171	2233	2295	2357	**30**
40	2419	2482	2544	2607	2669	2732	2795	2858	2921	2984	**40**
50	3047	3110	3173	3237	3300	3364	3428	3491	3555	3619	**50**
60	3683	3748	3812	3876	3941	4005	4070	4134	4199	4264	**60**
70	4329	4394	4459	4524	4590	4655	4720	4786	4852	4917	**70**
80	4983	5049	5115	5181	5247	5314	5380	5446	5513	5579	**80**
90	5646	5713	5780	5846	5913	5981	6048	6115	6182	6250	**90**
100	6317	6385	6452	6520	6588	6656	6724	6792	6860	6928	**100**
110	6996	7064	7133	7201	7270	7339	7407	7476	7545	7614	**110**
120	7683	7752	7821	7890	7960	8029	8099	8168	8238	8307	**120**
130	8377	8447	8517	8587	8657	8727	8797	8867	8938	9008	**130**
140	9078	9149	9220	9290	9361	9432	9503	9573	9644	9715	**140**
150	9787	9858	9929	10000	10072	10143	10215	10286	10358	10429	**150**
160	10501	10573	10645	10717	10789	10861	10933	11005	11077	11150	**160**
170	11222	11294	11367	11439	11512	11585	11657	11730	11803	11876	**170**
180	11949	12022	12095	12168	12241	12314	12387	12461	12534	12608	**180**
190	12681	12755	12828	12902	12975	13049	13123	13197	13271	13345	**190**
200	13419	13493	13567	13641	13715	13789	13864	13938	14012	14087	**200**
210	14161	14236	14310	14385	14460	14534	14609	14684	14759	14834	**210**
220	14909	14984	15059	15134	15209	15284	15359	15435	15510	15585	**220**
230	15661	15736	15812	15887	15963	16038	16114	16190	16266	16341	**230**
240	16417	16493	16569	16645	16721	16797	16873	16949	17025	17101	**240**
250	17178	17254	17330	17406	17483	17559	17636	17712	17789	17865	**250**
260	17942	18018	18095	18172	18248	18325	18402	18479	18556	18633	**260**
270	18710	18787	18864	18941	19018	19095	19172	19249	19326	19404	**270**
280	19481	19558	19636	19713	19790	19868	19945	20023	20100	20178	**280**
290	20256	20333	20411	20488	20566	20644	20722	20800	20877	20955	**290**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
300	21033	21111	21189	21267	21345	21423	21501	21579	21657	21735	**300**
310	21814	21892	21970	22048	22127	22205	22283	22362	22440	22518	**310**
320	22597	22675	22754	22832	22911	22989	23068	23147	23225	23304	**320**
330	23383	23461	23540	23619	23698	23777	23855	23934	24013	24092	**330**
340	24171	24250	24329	24408	24487	24566	24645	24724	24803	24882	**340**
350	24961	25041	25120	25199	25278	25357	25437	25516	25595	25675	**350**
360	25754	25833	25913	25992	26072	26151	26230	26310	26389	26469	**360**
370	26549	26628	26708	26787	26867	26947	27026	27106	27186	27265	**370**
380	27345	27425	27504	27584	27664	27744	27824	27903	27983	28063	**380**
390	28143	28223	28303	28383	28463	28543	28623	28703	28783	28863	**390**
400	28943	29023	29103	29183	29263	29343	29423	29503	29584	29664	**400**
410	29744	29824	29904	29984	30065	30145	30225	30305	30386	30466	**410**
420	30546	30627	30707	30787	30868	30948	31028	31109	31189	31270	**420**
430	31350	31430	31511	31591	31672	31752	31833	31913	31994	32074	**430**
440	32155	32235	32316	32396	32477	32557	32638	32719	32799	32880	**440**
450	32960	33041	33122	33202	33283	33364	33444	33525	33605	33686	**450**
460	33767	33848	33928	34009	34090	34170	34251	34332	34413	34493	**460**
470	34574	34655	34736	34816	34897	34978	35059	35140	35220	35301	**470**
480	35382	35463	35544	35624	35705	35786	35867	35948	36029	36109	**480**
490	36190	36271	36352	36433	36514	36595	36675	36756	36837	36918	**490**
500	36999	37080	37161	37242	37323	37403	37484	37565	37646	37727	**500**
510	37808	37889	37970	38051	38132	38213	38293	38374	38455	38536	**510**
520	38617	38698	38779	38860	38941	39022	39103	39184	39264	39345	**520**
530	39426	39507	39588	39669	39750	39831	39912	39993	40074	40155	**530**
540	40236	40316	40397	40478	40559	40640	40721	40802	40883	40964	**540**
550	41045	41125	41206	41287	41368	41449	41530	41611	41692	41773	**550**
560	41853	41934	42015	42096	42177	42258	42339	42419	42500	42581	**560**
570	42662	42743	42824	42904	42985	43066	43147	43228	43308	43389	**570**
580	43470	43551	43632	43712	43793	43874	43955	44035	44116	44197	**580**
590	44278	44358	44439	44520	44601	44681	44762	44843	44923	45004	**590**

Force électromotrice en fonction de la température — Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
600	45085	45165	45246	45327	45407	45488	45569	45649	45730	45811	**600**
610	45891	45972	46052	46133	46213	46294	46375	46455	46536	46616	**610**
620	46697	46777	46858	46938	47019	47099	47180	47260	47341	47421	**620**
630	47502	47582	47663	47743	47824	47904	47984	48065	48145	48226	**630**
640	48306	48386	48467	48547	48627	48708	48788	48868	48949	49029	**640**
650	49109	49189	49270	49350	49430	49510	49591	49671	49751	49831	**650**
660	49911	49992	50072	50152	50232	50312	50392	50472	50553	50633	**660**
670	50713	50793	50873	50953	51033	51113	51193	51273	51353	51433	**670**
680	51513	51593	51673	51753	51833	51913	51993	52073	52152	52232	**680**
690	52312	52392	52472	52552	52632	52711	52791	52871	52951	53031	**690**
700	53110	53190	53270	53350	53429	53509	53589	53668	53748	53828	**700**
710	53907	53987	54066	54146	54226	54305	54385	54464	54544	54623	**710**
720	54703	54782	54862	54941	55021	55100	55180	55259	55339	55418	**720**
730	55498	55577	55656	55736	55815	55894	55974	56053	56132	56212	**730**
740	56291	56370	56449	56529	56608	56687	56766	56845	56924	57004	**740**
750	57083	57162	57241	57320	57399	57478	57557	57636	57715	57794	**750**
760	57873	57952	58031	58110	58189	58268	58347	58426	58505	58584	**760**
770	58663	58742	58820	58899	58978	59057	59136	59214	59293	59372	**770**
780	59451	59529	59608	59687	59765	59844	59923	60001	60080	60159	**780**
790	60237	60316	60394	60473	60551	60630	60708	60787	60865	60944	**790**
800	61022	61101	61179	61258	61336	61414	61493	61571	61649	61728	**800**
810	61806	61884	61962	62041	62119	62197	62275	62353	62432	62510	**810**
820	62588	62666	62744	62822	62900	62978	63056	63134	63212	63290	**820**
830	63368	63446	63524	63602	63680	63758	63836	63914	63992	64069	**830**
840	64147	64225	64303	64380	64458	64536	64614	64691	64769	64847	**840**
850	64924	65002	65080	65157	65235	65312	65390	65467	65545	65622	**850**
860	65700	65777	65855	65932	66009	66087	66164	66241	66319	66396	**860**
870	66473	66551	66628	66705	66782	66859	66937	67014	67091	67168	**870**
880	67245	67322	67399	67476	67553	67630	67707	67784	67861	67938	**880**
890	68015	68092	68169	68246	68323	68399	68476	68553	68630	68706	**890**

Nickel-Chrome/Cuivre-Nickel *(suite)* TYPE E Nickel-Chromium/Copper-Nickel *(continued)*

Force électromotrice en fonction de la température Electromotive force as a function of temperature

$E/\mu V$

t_{68}/°C	0	1	2	3	4	5	6	7	8	9	t_{68}/°C
900	68783	68860	68936	69013	69090	69166	69243	69320	69396	69473	**900**
910	69549	69626	69702	69779	69855	69931	70008	70084	70161	70237	**910**
920	70313	70390	70466	70542	70618	70694	70771	70847	70923	70999	**920**
930	71075	71151	71227	71304	71380	71456	71532	71608	71683	71759	**930**
940	71835	71911	71987	72063	72139	72215	72290	72366	72442	72518	**940**
950	72593	72669	72745	72820	72896	72972	73047	73123	73199	73274	**950**
960	73350	73425	73501	73576	73652	73727	73802	73878	73953	74029	**960**
970	74104	74179	74255	74330	74405	74480	74556	74631	74706	74781	**970**
980	74857	74932	75007	75082	75157	75232	75307	75382	75458	75533	**980**
990	75608	75683	75758	75833	75908	75983	76058	76133	76208	76283	**990**
1000	76358										

Nickel-Chrome/Cuivre-Nickel — TYPE E — Nickel-Chromium/Copper-Nickel

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

t_{68}/°C

E/μV	0	−50	−100	−150	−200	−250	−300	−350	−400	−450	E/μV
−9500	−232.8	−236.1	−239.7	−243.6	−248.1	−253.5	−260.6				−9500
−9000	−207.3	−209.4	−211.7	−214.0	−216.3	−218.8	−221.3	−224.0	−226.8	−229.7	−9000
−8500	−187.8	−189.6	−191.4	−193.3	−195.2	−197.1	−199.0	−201.0	−203.1	−205.1	−8500
−8000	−171.2	−172.7	−174.3	−175.9	−177.6	−179.2	−180.9	−182.6	−184.3	−186.1	−8000
−7500	−156.2	−157.6	−159.1	−160.5	−162.0	−163.5	−165.0	−166.5	−168.0	−169.6	−7500
−7000	−142.5	−143.8	−145.1	−146.5	−147.8	−149.2	−150.6	−152.0	−153.4	−154.8	−7000
−6500	−129.6	−130.9	−132.1	−133.4	−134.7	−135.9	−137.2	−138.5	−139.8	−141.1	−6500
−6000	−117.5	−118.6	−119.8	−121.0	−122.2	−123.5	−124.7	−125.9	−127.1	−128.4	−6000
−5500	−105.9	−107.0	−108.2	−109.3	−110.5	−111.6	−112.8	−113.9	−115.1	−116.3	−5500
−5000	−94.8	−95.9	−97.0	−98.1	−99.2	−100.3	−101.4	−102.5	−103.6	−104.8	−5000
−4500	−84.1	−85.2	−86.2	−87.3	−88.4	−89.4	−90.5	−91.6	−92.6	−93.7	−4500
−4000	−73.8	−74.8	−75.9	−76.9	−77.9	−78.9	−80.0	−81.0	−82.0	−83.1	−4000
−3500	−63.8	−64.8	−65.8	−66.8	−67.8	−68.8	−69.8	−70.8	−71.8	−72.8	−3500
−3000	−54.1	−55.0	−56.0	−57.0	−57.9	−58.9	−59.9	−60.9	−61.8	−62.8	−3000
−2500	−44.6	−45.5	−46.5	−47.4	−48.4	−49.3	−50.3	−51.2	−52.2	−53.1	−2500
−2000	−35.3	−36.2	−37.1	−38.1	−39.0	−39.9	−40.8	−41.8	−42.7	−43.6	−2000
−1500	−26.2	−27.1	−28.0	−28.9	−29.8	−30.7	−31.7	−32.6	−33.5	−34.4	−1500
−1000	−17.3	−18.2	−19.1	−20.0	−20.9	−21.8	−22.6	−23.5	−24.4	−25.3	−1000
−500	−8.6	−9.5	−10.3	−11.2	−12.1	−12.9	−13.8	−14.7	−15.6	−16.4	−500
0	0.0	−0.9	−1.7	−2.6	−3.4	−4.3	−5.1	−6.0	−6.9	−7.7	0

E/μV	0	50	100	150	200	250	300	350	400	450	E/μV
0	0.0	0.9	1.7	2.6	3.4	4.2	5.1	5.9	6.8	7.6	0
500	8.5	9.3	10.1	11.0	11.8	12.7	13.5	14.3	15.2	16.0	500
1000	16.8	17.7	18.5	19.3	20.1	21.0	21.8	22.6	23.4	24.3	1000
1500	25.1	25.9	26.7	27.5	28.4	29.2	30.0	30.8	31.6	32.4	1500
2000	33.2	34.0	34.9	35.7	36.5	37.3	38.1	38.9	39.7	40.5	2000
2500	41.3	42.1	42.9	43.7	44.5	45.3	46.1	46.9	47.7	48.5	2500
3000	49.3	50.1	50.8	51.6	52.4	53.2	54.0	54.8	55.6	56.4	3000
3500	57.1	57.9	58.7	59.5	60.3	61.0	61.8	62.6	63.4	64.1	3500
4000	64.9	65.7	66.5	67.2	68.0	68.8	69.6	70.3	71.1	71.9	4000
4500	72.6	73.4	74.2	74.9	75.7	76.5	77.2	78.0	78.7	79.5	4500

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

	t_{68}/°C										
E/μV	0	50	100	150	200	250	300	350	400	450	E/μV
5000	80.3	81.0	81.8	82.5	83.3	84.0	84.8	85.5	86.3	87.1	5000
5500	87.8	88.6	89.3	90.1	90.8	91.6	92.3	93.1	93.8	94.5	5500
6000	95.3	96.0	96.8	97.5	98.3	99.0	99.7	100.5	101.2	102.0	6000
6500	102.7	103.4	104.2	104.9	105.7	106.4	107.1	107.9	108.6	109.3	6500
7000	110.1	110.8	111.5	112.3	113.0	113.7	114.4	115.2	115.9	116.6	7000
7500	117.3	118.1	118.8	119.5	120.2	121.0	121.7	122.4	123.1	123.9	7500
8000	124.6	125.3	126.0	126.7	127.5	128.2	128.9	129.6	130.3	131.0	8000
8500	131.8	132.5	133.2	133.9	134.6	135.3	136.0	136.8	137.5	138.2	8500
9000	138.9	139.6	140.3	141.0	141.7	142.4	143.1	143.8	144.6	145.3	9000
9500	146.0	146.7	147.4	148.1	148.8	149.5	150.2	150.9	151.6	152.3	9500
10000	153.0	153.7	154.4	155.1	155.8	156.5	157.2	157.9	158.6	159.3	10000
10500	160.0	160.7	161.4	162.1	162.8	163.5	164.2	164.8	165.5	166.2	10500
11000	166.9	167.6	168.3	169.0	169.7	170.4	171.1	171.8	172.5	173.1	11000
11500	173.8	174.5	175.2	175.9	176.6	177.3	178.0	178.6	179.3	180.0	11500
12000	180.7	181.4	182.1	182.8	183.4	184.1	184.8	185.5	186.2	186.9	12000
12500	187.5	188.2	188.9	189.6	190.3	190.9	191.6	192.3	193.0	193.7	12500
13000	194.3	195.0	195.7	196.4	197.0	197.7	198.4	199.1	199.7	200.4	13000
13500	201.1	201.8	202.4	203.1	203.8	204.5	205.1	205.8	206.5	207.2	13500
14000	207.8	208.5	209.2	209.8	210.5	211.2	211.9	212.5	213.2	213.9	14000
14500	214.5	215.2	215.9	216.5	217.2	217.9	218.5	219.2	219.9	220.5	14500
15000	221.2	221.9	222.5	223.2	223.9	224.5	225.2	225.9	226.5	227.2	15000
15500	227.9	228.5	229.2	229.9	230.5	231.2	231.8	232.5	233.2	233.8	15500
16000	234.5	235.2	235.8	236.5	237.1	237.8	238.5	239.1	239.8	240.4	16000
16500	241.1	241.8	242.4	243.1	243.7	244.4	245.0	245.7	246.4	247.0	16500
17000	247.7	248.3	249.0	249.6	250.3	251.0	251.6	252.3	252.9	253.6	17000
17500	254.2	254.9	255.5	256.2	256.8	257.5	258.1	258.8	259.5	260.1	17500
18000	260.8	261.4	262.1	262.7	263.4	264.0	264.7	265.3	266.0	266.6	18000
18500	267.3	267.9	268.6	269.2	269.9	270.5	271.2	271.8	272.5	273.1	18500
19000	273.8	274.4	275.1	275.7	276.4	277.0	277.7	278.3	279.0	279.6	19000
19500	280.2	280.9	281.5	282.2	282.8	283.5	284.1	284.8	285.4	286.1	19500

Température en fonction de la force électromotrice — Temperature as a function of electromotive force

	t_{68}/°C										
E/μV	0	50	100	150	200	250	300	350	400	450	E/μV
20000	286.7	287.4	288.0	288.6	289.3	289.9	290.6	291.2	291.9	292.5	20000
20500	293.1	293.8	294.4	295.1	295.7	296.4	297.0	297.6	298.3	298.9	20500
21000	299.6	300.2	300.9	301.5	302.1	302.8	303.4	304.1	304.7	305.3	21000
21500	306.0	306.6	307.3	307.9	308.5	309.2	309.8	310.5	311.1	311.7	21500
22000	312.4	313.0	313.7	314.3	314.9	315.6	316.2	316.9	317.5	318.1	22000
22500	318.8	319.4	320.0	320.7	321.3	322.0	322.6	323.2	323.9	324.5	22500
23000	325.1	325.8	326.4	327.0	327.7	328.3	328.9	329.6	330.2	330.9	23000
23500	331.5	332.1	332.8	333.4	334.0	334.7	335.3	335.9	336.6	337.2	23500
24000	337.8	338.5	339.1	339.7	340.4	341.0	341.6	342.3	342.9	343.5	24000
24500	344.2	344.8	345.4	346.1	346.7	347.3	348.0	348.6	349.2	349.9	24500
25000	350.5	351.1	351.8	352.4	353.0	353.6	354.3	354.9	355.5	356.2	25000
25500	356.8	357.4	358.1	358.7	359.3	360.0	360.6	361.2	361.8	362.5	25500
26000	363.1	363.7	364.4	365.0	365.6	366.2	366.9	367.5	368.1	368.8	26000
26500	369.4	370.0	370.6	371.3	371.9	372.5	373.2	373.8	374.4	375.0	26500
27000	375.7	376.3	376.9	377.6	378.2	378.8	379.4	380.1	380.7	381.3	27000
27500	381.9	382.6	383.2	383.8	384.5	385.1	385.7	386.3	387.0	387.6	27500
28000	388.2	388.8	389.5	390.1	390.7	391.3	392.0	392.6	393.2	393.8	28000
28500	394.5	395.1	395.7	396.3	397.0	397.6	398.2	398.8	399.5	400.1	28500
29000	400.7	401.3	402.0	402.6	403.2	403.8	404.5	405.1	405.7	406.3	29000
29500	407.0	407.6	408.2	408.8	409.5	410.1	410.7	411.3	411.9	412.6	29500
30000	413.2	413.8	414.4	415.1	415.7	416.3	416.9	417.6	418.2	418.8	30000
30500	419.4	420.0	420.7	421.3	421.9	422.5	423.2	423.8	424.4	425.0	30500
31000	425.6	426.3	426.9	427.5	428.1	428.8	429.4	430.0	430.6	431.2	31000
31500	431.9	432.5	433.1	433.7	434.4	435.0	435.6	436.2	436.8	437.5	31500
32000	438.1	438.7	439.3	439.9	440.6	441.2	441.8	442.4	443.0	443.7	32000
32500	444.3	444.9	445.5	446.1	446.8	447.4	448.0	448.6	449.3	449.9	32500
33000	450.5	451.1	451.7	452.4	453.0	453.6	454.2	454.8	455.5	456.1	33000
33500	456.7	457.3	457.9	458.6	459.2	459.8	460.4	461.0	461.6	462.3	33500
34000	462.9	463.5	464.1	464.7	465.4	466.0	466.6	467.2	467.8	468.5	34000
34500	469.1	469.7	470.3	470.9	471.6	472.2	472.8	473.4	474.0	474.7	34500

	t_{68}/°C										
E/μV	0	50	100	150	200	250	300	350	400	450	E/μV
35000	475.3	475.9	476.5	477.1	477.7	478.4	479.0	479.6	480.2	480.8	35000
35500	481.5	482.1	482.7	483.3	483.9	484.6	485.2	485.8	486.4	487.0	35500
36000	487.6	488.3	488.9	489.5	490.1	490.7	491.4	492.0	492.6	493.2	36000
36500	493.8	494.4	495.1	495.7	496.3	496.9	497.5	498.2	498.8	499.4	36500
37000	500.0	500.6	501.2	501.9	502.5	503.1	503.7	504.3	505.0	505.6	37000
37500	506.2	506.8	507.4	508.0	508.7	509.3	509.9	510.5	511.1	511.8	37500
38000	512.4	513.0	513.6	514.2	514.8	515.5	516.1	516.7	517.3	517.9	38000
38500	518.6	519.2	519.8	520.4	521.0	521.6	522.3	522.9	523.5	524.1	38500
39000	524.7	525.3	526.0	526.6	527.2	527.8	528.4	529.1	529.7	530.3	39000
39500	530.9	531.5	532.1	532.8	533.4	534.0	534.6	535.2	535.9	536.5	39500
40000	537.1	537.7	538.3	538.9	539.6	540.2	540.8	541.4	542.0	542.7	40000
40500	543.3	543.9	544.5	545.1	545.7	546.4	547.0	547.6	548.2	548.8	40500
41000	549.4	550.1	550.7	551.3	551.9	552.5	553.2	553.8	554.4	555.0	41000
41500	555.6	556.2	556.9	557.5	558.1	558.7	559.3	560.0	560.6	561.2	41500
42000	561.8	562.4	563.0	563.7	564.3	564.9	565.5	566.1	566.8	567.4	42000
42500	568.0	568.6	569.2	569.9	570.5	571.1	571.7	572.3	572.9	573.6	42500
43000	574.2	574.8	575.4	576.0	576.7	577.3	577.9	578.5	579.1	579.8	43000
43500	580.4	581.0	581.6	582.2	582.8	583.5	584.1	584.7	585.3	585.9	43500
44000	586.6	587.2	587.8	588.4	589.0	589.7	590.3	590.9	591.5	592.1	44000
44500	592.8	593.4	594.0	594.6	595.2	595.9	596.5	597.1	597.7	598.3	44500
45000	599.0	599.6	600.2	600.8	601.4	602.0	602.7	603.3	603.9	604.5	45000
45500	605.1	605.8	606.4	607.0	607.6	608.2	608.9	609.5	610.1	610.7	45500
46000	611.4	612.0	612.6	613.2	613.8	614.5	615.1	615.7	616.3	616.9	46000
46500	617.6	618.2	618.8	619.4	620.0	620.7	621.3	621.9	622.5	623.1	46500
47000	623.8	624.4	625.0	625.6	626.2	626.9	627.5	628.1	628.7	629.4	47000
47500	630.0	630.6	631.2	631.8	632.5	633.1	633.7	634.3	635.0	635.6	47500
48000	636.2	636.8	637.4	638.1	638.7	639.3	639.9	640.5	641.2	641.8	48000
48500	642.4	643.0	643.7	644.3	644.9	645.5	646.1	646.8	647.4	648.0	48500
49000	648.6	649.3	649.9	650.5	651.1	651.8	652.4	653.0	653.6	654.2	49000
49500	654.9	655.5	656.1	656.7	657.4	658.0	658.6	659.2	659.9	660.5	49500