13 Basic Values for Thermocouples and Resistance Thermometers

Based on the International Temperature Scale ITS-90

According to EN 60584/IEC 584:
Thermocouples Types T, E, J, K, N, S, R, B
According to EN 60751/IEC 751:
Resistance Thermometers Pt100

Based on the Temperature Scale IPTS-68

According to DIN 43710 (repealed since 1994. No new editions):
Thermocouples Types U and L
According to DIN 43760:
Resistance Thermometers Ni100

Resistance thermometers with special measurement resistors Pt50, Pt200, Pt500, Pt1000

The standardized measurement resistor Pt100 according to EN 60751/IEC 751 has a nominal resistance of 100 Ω at 0 °C (32 °F). Based on these standards, measurement resistors with fractional or whole number multiples of these nominal resistance values are commercially available. Based on the statements from the manufacturer the following conversion factors apply.

Designation	Nominal Resistance 0 °C (32 °F)	Factor	Resistance Value
Pt50	50 Ω	0.5	0.5 x Pt100 EN 60751/IEC 751
Pt200	200 Ω	2	2 x Pt100 EN 60751/IEC 751
Pt500	500 Ω	5	5 x Pt100 EN 60751/IEC 751
Pt1000	1000 Ω	10	10 x Pt100 EN 60751/IEC 751

For Ni-resistance thermometers, a similar procedure applies.

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
-270	-6.258	-9.835		-6.458	-4.345								**-454.0**
-269	-6.256	-9.833		-6.457	-4.345								**-452.2**
-268	-6.255	-9.831		-6.456	-4.344								**-450.4**
-267	-6.253	-9.828		-6.455	-4.344								**-448.6**
-266	-6.251	-9.825		-6.453	-4.343								**-446.8**
-265	-6.248	-9.821		-6.452	-4.342								**-445.0**
-264	-6.245	-9.817		-6.450	-4.341								**-443.2**
-263	-6.242	-9.813		-6.448	-4.340								**-441.4**
-262	-6.239	-9.808		-6.446	-4.339								**-439.6**
-261	-6.236	-9.802		-6.444	-4.337								**-437.8**
-260	-6.232	-9.797		-6.441	-4.336								**-436.0**
-259	-6.228	-9.790		-6.438	-4.334								**-434.2**
-258	-6.223	-9.784		-6.435	-4.332								**-432.4**
-257	-6.219	-9.777		-6.432	-4.330								**-430.6**
-256	-6.214	-9.770		-6.429	-4.328								**-428.8**
-255	-6.209	-9.762		-6.425	-4.326								**-427.0**
-254	-6.204	-9.754		-6.421	-4.324								**-425.2**
-253	-6.198	-9.746		-6.417	-4.321								**-423.4**
-252	-6.193	-9.737		-6.413	-4.319								**-421.6**
-251	-6.187	-9.728		-6.408	-4.316								**-419.8**
-250	-6.180	-9.718		-6.404	-4.313								**-418.0**
-249	-6.174	-9.709		-6.399	-4.310								**-416.2**
-248	-6.167	-9.698		-6.393	-4.307								**-414.4**
-247	-6.160	-9.688		-6.388	-4.304								**-412.6**
-246	-6.153	-9.677		-6.382	-4.300								**-410.8**
-245	-6.146	-9.666		-6.377	-4.297								**-409.0**
-244	-6.138	-9.654		-6.370	-4.293								**-407.2**
-243	-6.130	-9.642		-6.364	-4.289								**-405.4**
-242	-6.122	-9.630		-6.358	-4.285								**-403.6**
-241	-6.114	-9.617		-6.351	-4.281								**-401.8**
-240	-6.105	-9.604		-6.344	-4.277								**-400.0**
-239	-6.096	-9.591		-6.337	-4.273								**-398.2**
-238	-6.087	-9.577		-6.329	-4.268								**-396.4**
-237	-6.078	-9.563		-6.322	-4.263								**-394.6**
-236	-6.068	-9.548		-6.314	-4.258								**-392.8**
-235	-6.059	-9.534		-6.306	-4.254								**-391.0**
-234	-6.049	-9.519		-6.297	-4.248								**-389.2**
-233	-6.038	-9.503		-6.289	-4.243								**-387.4**
-232	-6.028	-9.487		-6.280	-4.238								**-385.6**
-231	-6.017	-9.471		-6.271	-4.232								**-383.8**
-230	-6.007	-9.455		-6.262	-4.226								**-382.0**
-229	-5.996	-9.438		-6.252	-4.221								**-380.2**
-228	-5.985	-9.421		-6.243	-4.215								**-378.4**
-227	-5.973	-9.404		-6.233	-4.209								**-376.6**
-226	-5.962	-9.386		-6.223	-4.202								**-374.8**
-225	-5.950	-9.368		-6.213	-4.196								**-373.0**
-224	-5.938	-9.350		-6.202	-4.189								**-371.2**
-223	-5.926	-9.331		-6.192	-4.183								**-369.4**
-222	-5.914	-9.313		-6.181	-4.176								**-367.6**
-221	-5.901	-9.293		-6.170	-4.169								**-365.8**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
-220	-5.888	-9.274		-6.158	-4.162								**-364.0**
-219	-5.876	-9.254		-6.147	-4.154								**-362.2**
-218	-5.863	-9.234		-6.135	-4.147								**-360.4**
-217	-5.850	-9.214		-6.123	-4.140								**-358.6**
-216	-5.836	-9.193		-6.111	-4.132								**-356.8**
-215	-5.823	-9.172		-6.099	-4.124								**-355.0**
-214	-5.809	-9.151		-6.087	-4.116								**-353.2**
-213	-5.795	-9.129		-6.074	-4.108								**-351.4**
-212	-5.782	-9.107		-6.061	-4.100								**-349.6**
-211	-5.767	-9.085		-6.048	-4.091								**-347.8**
-210	-5.753	-9.063	-8.095	-6.035	-4.083								**-346.0**
-209	-5.739	-9.040	-8.076	-6.021	-4.074								**-344.2**
-208	-5.724	-9.017	-8.057	-6.007	-4.066								**-342.4**
-207	-5.710	-8.994	-8.037	-5.994	-4.057								**-340.6**
-206	-5.695	-8.971	-8.017	-5.980	-4.048								**-338.8**
-205	-5.680	-8.947	-7.996	-5.965	-4.038								**-337.0**
-204	-5.665	-8.923	-7.976	-5.951	-4.029								**-335.2**
-203	-5.650	-8.899	-7.955	-5.936	-4.020								**-333.4**
-202	-5.634	-8.874	-7.934	-5.922	-4.010								**-331.6**
-201	-5.619	-8.850	-7.912	-5.907	-4.000								**-329.8**
-200	-5.603	-8.825	-7.890	-5.891	-3.990				-5.70	-8.15	18.52		**-328.0**
-199	-5.587	-8.799	-7.868	-5.876	-3.980				-5.68	-8.12	18.95		**-326.2**
-198	-5.571	-8.774	-7.846	-5.861	-3.970				-5.66	-8.09	19.38		**-324.4**
-197	-5.555	-8.748	-7.824	-5.845	-3.960				-5.64	-8.06	19.82		**-322.6**
-196	-5.539	-8.722	-7.801	-5.829	-3.950				-5.62	-8.03	20.25		**-320.8**
-195	-5.523	-8.696	-7.778	-5.813	-3.939				-5.60	-8.00	20.68		**-319.0**
-194	-5.506	-8.669	-7.755	-5.797	-3.928				-5.59	-7.98	21.11		**-317.2**
-193	-5.489	-8.643	-7.731	-5.780	-3.918				-5.57	-7.95	21.54		**-315.4**
-192	-5.473	-8.616	-7.707	-5.763	-3.907				-5.55	-7.92	21.97		**-313.6**
-191	-5.456	-8.588	-7.683	-5.747	-3.896				-5.53	-7.89	22.40		**-311.8**
-190	-5.439	-8.561	-7.659	-5.730	-3.884				-5.51	-7.86	22.83		**-310.0**
-189	-5.421	-8.533	-7.634	-5.713	-3.873				-5.49	-7.83	23.25		**-308.2**
-188	-5.404	-8.505	-7.610	-5.695	-3.862				-5.47	-7.80	23.68		**-306.4**
-187	-5.387	-8.477	-7.585	-5.678	-3.850				-5.45	-7.77	24.11		**-304.6**
-186	-5.369	-8.449	-7.559	-5.660	-3.838				-5.43	-7.74	24.54		**-302.8**
-185	-5.351	-8.420	-7.534	-5.642	-3.827				-5.41	-7.71	24.97		**-301.0**
-184	-5.334	-8.391	-7.508	-5.624	-3.815				-5.40	-7.68	25.39		**-299.2**
-183	-5.316	-8.362	-7.482	-5.606	-3.803				-5.38	-7.65	25.82		**-297.4**
-182	-5.297	-8.333	-7.456	-5.588	-3.790				-5.36	-7.62	26.25		**-295.6**
-181	-5.279	-8.303	-7.429	-5.569	-3.778				-5.34	-7.59	26.67		**-293.8**
-180	-5.261	-8.273	-7.403	-5.550	-3.766				-5.32	-7.56	27.10		**-292.0**
-179	-5.242	-8.243	-7.376	-5.531	-3.753				-5.30	-7.53	27.52		**-290.2**
-178	-5.224	-8.213	-7.348	-5.512	-3.740				-5.28	-7.50	27.95		**-288.4**
-177	-5.205	-8.183	-7.321	-5.493	-3.728				-5.26	-7.47	28.37		**-286.6**
-176	-5.186	-8.152	-7.293	-5.474	-3.715				-5.24	-7.44	28.80		**-284.8**
-175	-5.167	-8.121	-7.265	-5.454	-3.702				-5.22	-7.40	29.22		**-283.0**
-174	-5.148	-8.090	-7.237	-5.435	-3.688				-5.20	-7.37	29.64		**-281.2**
-173	-5.128	-8.059	-7.209	-5.415	-3.675				-5.18	-7.34	30.07		**-279.4**
-172	-5.109	-8.027	-7.181	-5.395	-3.662				-5.16	-7.31	30.49		**-277.6**
-171	-5.089	-7.995	-7.152	-5.374	-3.648				-5.14	-7.28	30.91		**-275.8**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
-170	-5.070	-7.963	-7.123	-5.354	-3.634				-5.12	-7.25	31.34		**-274.0**
-169	-5.050	-7.931	-7.094	-5.333	-3.621				-5.10	-7.22	31.76		**-272.2**
-168	-5.030	-7.899	-7.064	-5.313	-3.607				-5.08	-7.19	32.18		**-270.4**
-167	-5.010	-7.866	-7.035	-5.292	-3.593				-5.06	-7.15	32.60		**-268.6**
-166	-4.989	-7.833	-7.005	-5.271	-3.578				-5.04	-7.12	33.02		**-266.8**
-165	-4.969	-7.800	-6.975	-5.250	-3.564				-5.02	-7.09	33.44		**-265.0**
-164	-4.949	-7.767	-6.944	-5.228	-3.550				-4.99	-7.06	33.86		**-263.2**
-163	-4.928	-7.733	-6.914	-5.207	-3.535				-4.97	-7.03	34.28		**-261.4**
-162	-4.907	-7.700	-6.883	-5.185	-3.521				-4.95	-6.99	34.70		**-259.6**
-161	-4.886	-7.666	-6.853	-5.163	-3.506				-4.93	-6.96	35.12		**-257.8**
-160	-4.865	-7.632	-6.821	-5.141	-3.491				-4.91	-6.93	35.54		**-256.0**
-159	-4.844	-7.597	-6.790	-5.119	-3.476				-4.89	-6.90	35.96		**-254.2**
-158	-4.823	-7.563	-6.759	-5.097	-3.461				-4.87	-6.86	36.38		**-252.4**
-157	-4.802	-7.528	-6.727	-5.074	-3.446				-4.84	-6.83	36.80		**-250.6**
-156	-4.780	-7.493	-6.695	-5.052	-3.431				-4.82	-6.80	37.22		**-248.8**
-155	-4.759	-7.458	-6.663	-5.029	-3.415				-4.80	-6.76	37.64		**-247.0**
-154	-4.737	-7.423	-6.631	-5.006	-3.400				-4.78	-6.73	38.06		**-245.2**
-153	-4.715	-7.387	-6.598	-4.983	-3.384				-4.76	-6.70	38.47		**-243.4**
-152	-4.693	-7.351	-6.566	-4.960	-3.368				-4.73	-6.66	38.89		**-241.6**
-151	-4.671	-7.315	-6.533	-4.936	-3.352				-4.71	-6.63	39.31		**-239.8**
-150	-4.648	-7.279	-6.500	-4.913	-3.336				-4.69	-6.60	39.72		**-238.0**
-149	-4.626	-7.243	-6.467	-4.889	-3.320				-4.67	-6.56	40.14		**-236.2**
-148	-4.604	-7.206	-6.433	-4.865	-3.304				-4.64	-6.53	40.56		**-234.4**
-147	-4.581	-7.170	-6.400	-4.841	-3.288				-4.62	-6.50	40.97		**-232.6**
-146	-4.558	-7.133	-6.366	-4.817	-3.271				-4.60	-6.46	41.39		**-230.8**
-145	-4.535	-7.096	-6.332	-4.793	-3.255				-4.58	-6.43	41.80		**-229.0**
-144	-4.512	-7.058	-6.298	-4.768	-3.238				-4.55	-6.39	42.22		**-227.2**
-143	-4.489	-7.021	-6.263	-4.744	-3.221				-4.53	-6.36	42.63		**-225.4**
-142	-4.466	-6.983	-6.229	-4.719	-3.205				-4.51	-6.33	43.05		**-223.6**
-141	-4.443	-6.945	-6.194	-4.694	-3.188				-4.48	-6.29	43.46		**-221.8**
-140	-4.419	-6.907	-6.159	-4.669	-3.171				-4.46	-6.26	43.88		**-220.0**
-139	-4.395	-6.869	-6.124	-4.644	-3.153				-4.43	-6.22	44.29		**-218.2**
-138	-4.372	-6.831	-6.089	-4.618	-3.136				-4.41	-6.19	44.70		**-216.4**
-137	-4.348	-6.792	-6.054	-4.593	-3.119				-4.38	-6.15	45.12		**-214.6**
-136	-4.324	-6.753	-6.018	-4.567	-3.101				-4.36	-6.11	45.53		**-212.8**
-135	-4.300	-6.714	-5.982	-4.542	-3.084				-4.33	-6.08	45.94		**-211.0**
-134	-4.275	-6.675	-5.946	-4.516	-3.066				-4.31	-6.04	46.36		**-209.2**
-133	-4.251	-6.636	-5.910	-4.490	-3.048				-4.28	-6.01	46.77		**-207.4**
-132	-4.226	-6.596	-5.874	-4.463	-3.030				-4.26	-5.97	47.18		**-205.6**
-131	-4.202	-6.556	-5.838	-4.437	-3.012				-4.23	-5.93	47.59		**-203.8**
-130	-4.177	-6.516	-5.801	-4.411	-2.994				-4.21	-5.90	48.01		**-202.0**
-129	-4.152	-6.476	-5.764	-4.384	-2.976				-4.18	-5.86	48.42		**-200.2**
-128	-4.127	-6.436	-5.727	-4.357	-2.958				-4.16	-5.82	48.83		**-198.4**
-127	-4.102	-6.396	-5.690	-4.330	-2.939				-4.13	-5.79	49.24		**-196.6**
-126	-4.077	-6.355	-5.653	-4.303	-2.921				-4.11	-5.75	49.65		**-194.8**
-125	-4.052	-6.314	-5.616	-4.276	-2.902				-4.08	-5.71	50.06		**-193.0**
-124	-4.026	-6.273	-5.578	-4.249	-2.883				-4.05	-5.68	50.47		**-191.2**
-123	-4.000	-6.232	-5.541	-4.221	-2.865				-4.03	-5.64	50.88		**-189.4**
-122	-3.975	-6.191	-5.503	-4.194	-2.846				-4.00	-5.60	51.29		**-187.6**
-121	-3.949	-6.149	-5.465	-4.166	-2.827				-3.98	-5.57	51.70		**-185.8**

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-120	-3.923	-6.107	-5.426	-4.138	-2.808				-3.95	-5.53	52.11		**-184.0**
-119	-3.897	-6.065	-5.388	-4.110	-2.789				-3.92	-5.49	52.52		**-182.2**
-118	-3.871	-6.023	-5.350	-4.082	-2.769				-3.90	-5.45	52.93		**-180.4**
-117	-3.844	-5.981	-5.311	-4.054	-2.750				-3.87	-5.41	53.34		**-178.6**
-116	-3.818	-5.939	-5.272	-4.025	-2.730				-3.84	-5.38	53.75		**-176.8**
-115	-3.791	-5.896	-5.233	-3.997	-2.711				-3.81	-5.34	54.15		**-175.0**
-114	-3.765	-5.853	-5.194	-3.968	-2.691				-3.79	-5.30	54.56		**-173.2**
-113	-3.738	-5.810	-5.155	-3.939	-2.672				-3.76	-5.26	54.97		**-171.4**
-112	-3.711	-5.767	-5.116	-3.911	-2.652				-3.73	-5.22	55.38		**-169.6**
-111	-3.684	-5.724	-5.076	-3.882	-2.632				-3.71	-5.19	55.79		**-167.8**
-110	-3.657	-5.681	-5.037	-3.852	-2.612				-3.68	-5.15	56.19		**-166.0**
-109	-3.629	-5.637	-4.997	-3.823	-2.592				-3.65	-5.11	56.60		**-164.2**
-108	-3.602	-5.593	-4.957	-3.794	-2.571				-3.62	-5.07	57.01		**-162.4**
-107	-3.574	-5.549	-4.917	-3.764	-2.551				-3.60	-5.03	57.41		**-160.6**
-106	-3.547	-5.505	-4.877	-3.734	-2.531				-3.57	-4.99	57.82		**-158.8**
-105	-3.519	-5.461	-4.836	-3.705	-2.510				-3.54	-4.95	58.23		**-157.0**
-104	-3.491	-5.417	-4.796	-3.675	-2.490				-3.51	-4.91	58.63		**-155.2**
-103	-3.463	-5.372	-4.755	-3.645	-2.469				-3.48	-4.87	59.04		**-153.4**
-102	-3.435	-5.327	-4.714	-3.614	-2.448				-3.46	-4.83	59.44		**-151.6**
-101	-3.407	-5.282	-4.674	-3.584	-2.428				-3.43	-4.79	59.85		**-149.8**
-100	-3.379	-5.237	-4.633	-3.554	-2.407				-3.40	-4.75	60.26		**-148.0**
- 99	-3.350	-5.192	-4.591	-3.523	-2.386				-3.37	-4.71	60.66		**-146.2**
- 98	-3.322	-5.147	-4.550	-3.492	-2.365				-3.34	-4.66	61.07		**-144.4**
- 97	-3.293	-5.101	-4.509	-3.462	-2.344				-3.31	-4.62	61.47		**-142.6**
- 96	-3.264	-5.055	-4.467	-3.431	-2.322				-3.28	-4.58	61.88		**-140.8**
- 95	-3.235	-5.009	-4.425	-3.400	-2.301				-3.25	-4.54	62.28		**-139.0**
- 94	-3.206	-4.963	-4.384	-3.368	-2.280				-3.23	-4.50	62.68		**-137.2**
- 93	-3.177	-4.917	-4.342	-3.337	-2.258				-3.20	-4.45	63.09		**-135.4**
- 92	-3.148	-4.871	-4.300	-3.306	-2.237				-3.17	-4.41	63.49		**-133.6**
- 91	-3.118	-4.824	-4.257	-3.274	-2.215				-3.14	-4.37	63.90		**-131.8**
- 90	-3.089	-4.777	-4.215	-3.243	-2.193				-3.11	-4.33	64.30		**-130.0**
- 89	-3.059	-4.731	-4.173	-3.211	-2.172				-3.08	-4.28	64.70		**-128.2**
- 88	-3.030	-4.684	-4.130	-3.179	-2.150				-3.05	-4.24	65.11		**-126.4**
- 87	-3.000	-4.636	-4.088	-3.147	-2.128				-3.02	-4.20	65.51		**-124.6**
- 86	-2.970	-4.589	-4.045	-3.115	-2.106				-2.99	-4.15	65.91		**-122.8**
- 85	-2.940	-4.542	-4.002	-3.083	-2.084				-2.96	-4.11	66.31		**-121.0**
- 84	-2.910	-4.494	-3.959	-3.050	-2.062				-2.93	-4.06	66.72		**-119.2**
- 83	-2.879	-4.446	-3.916	-3.018	-2.039				-2.90	-4.02	67.12		**-117.4**
- 82	-2.849	-4.398	-3.872	-2.986	-2.017				-2.87	-3.98	67.52		**-115.6**
- 81	-2.818	-4.350	-3.829	-2.953	-1.995				-2.84	-3.93	67.92		**-113.8**
- 80	-2.788	-4.302	-3.786	-2.920	-1.972				-2.81	-3.89	68.33		**-112.0**
- 79	-2.757	-4.254	-3.742	-2.887	-1.950				-2.78	-3.84	68.73		**-110.2**
- 78	-2.726	-4.205	-3.698	-2.854	-1.927				-2.75	-3.80	69.13		**-108.4**
- 77	-2.695	-4.156	-3.654	-2.821	-1.905				-2.72	-3.75	69.53		**-106.6**
- 76	-2.664	-4.107	-3.610	-2.788	-1.882				-2.69	-3.71	69.93		**-104.8**
- 75	-2.633	-4.058	-3.566	-2.755	-1.859				-2.66	-3.66	70.33		**-103.0**
- 74	-2.602	-4.009	-3.522	-2.721	-1.836				-2.62	-3.62	70.73		**-101.2**
- 73	-2.571	-3.960	-3.478	-2.688	-1.813				-2.59	-3.57	71.13		**-99.4**
- 72	-2.539	-3.911	-3.434	-2.654	-1.790				-2.56	-3.53	71.53		**-97.6**
- 71	-2.507	-3.861	-3.389	-2.620	-1.767				-2.53	-3.48	71.93		**-95.8**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
- 70	-2.476	-3.811	-3.344	-2.587	-1.744				-2.50	-3.44	72.33		**-94.0**
- 69	-2.444	-3.761	-3.300	-2.553	-1.721				-2.47	-3.39	72.73		**-92.2**
- 68	-2.412	-3.711	-3.255	-2.519	-1.698				-2.44	-3.35	73.13		**-90.4**
- 67	-2.380	-3.661	-3.210	-2.485	-1.674				-2.40	-3.30	73.53		**-88.6**
- 66	-2.348	-3.611	-3.165	-2.450	-1.651				-2.37	-3.25	73.93		**-86.8**
- 65	-2.316	-3.561	-3.120	-2.416	-1.627				-2.34	-3.21	74.33		**-85.0**
- 64	-2.283	-3.510	-3.075	-2.382	-1.604				-2.31	-3.16	74.73		**-83.2**
- 63	-2.251	-3.459	-3.029	-2.347	-1.580				-2.28	-3.12	75.13		**-81.4**
- 62	-2.218	-3.408	-2.984	-2.312	-1.557				-2.24	-3.07	75.53		**-79.6**
- 61	-2.186	-3.357	-2.938	-2.278	-1.533				-2.21	-3.02	75.93		**-77.8**
- 60	-2.153	-3.306	-2.893	-2.243	-1.509				-2.18	-2.98	76.33	69.5	**-76.0**
- 59	-2.120	-3.255	-2.847	-2.208	-1.485				-2.15	-2.93	76.73	70.0	**-74.2**
- 58	-2.087	-3.204	-2.801	-2.173	-1.462				-2.11	-2.88	77.12	70.5	**-72.4**
- 57	-2.054	-3.152	-2.755	-2.138	-1.438				-2.08	-2.84	77.52	70.9	**-70.6**
- 56	-2.021	-3.100	-2.709	-2.103	-1.414				-2.05	-2.79	77.92	71.4	**-68.8**
- 55	-1.987	-3.048	-2.663	-2.067	-1.390				-2.02	-2.74	78.32	71.9	**-67.0**
- 54	-1.954	-2.996	-2.617	-2.032	-1.366				-1.98	-2.70	78.72	72.3	**-65.2**
- 53	-1.920	-2.944	-2.571	-1.996	-1.341				-1.95	-2.65	79.11	72.8	**-63.4**
- 52	-1.887	-2.892	-2.524	-1.961	-1.317				-1.92	-2.60	79.51	73.3	**-61.6**
- 51	-1.853	-2.840	-2.478	-1.925	-1.293				-1.88	-2.56	79.91	73.8	**-59.8**
- 50	-1.819	-2.787	-2.431	-1.889	-1.269	-0.236	-0.226		-1.85	-2.51	80.31	74.3	**-58.0**
- 49	-1.785	-2.735	-2.385	-1.854	-1.244	-0.232	-0.223		-1.81	-2.46	80.70	74.7	**-56.2**
- 48	-1.751	-2.682	-2.338	-1.818	-1.220	-0.228	-0.219		-1.78	-2.41	81.10	75.2	**-54.4**
- 47	-1.717	-2.629	-2.291	-1.782	-1.195	-0.224	-0.215		-1.74	-2.36	81.50	75.7	**-52.6**
- 46	-1.683	-2.576	-2.244	-1.745	-1.171	-0.219	-0.211		-1.71	-2.32	81.89	76.2	**-50.8**
- 45	-1.648	-2.523	-2.197	-1.709	-1.146	-0.215	-0.208		-1.67	-2.27	82.29	76.7	**-49.0**
- 44	-1.614	-2.469	-2.150	-1.673	-1.122	-0.211	-0.204		-1.64	-2.22	82.69	77.2	**-47.2**
- 43	-1.579	-2.416	-2.103	-1.637	-1.097	-0.207	-0.200		-1.60	-2.17	83.08	77.7	**-45.4**
- 42	-1.545	-2.362	-2.055	-1.600	-1.072	-0.203	-0.196		-1.57	-2.12	83.48	78.1	**-43.6**
- 41	-1.510	-2.309	-2.008	-1.564	-1.048	-0.199	-0.192		-1.53	-2.08	83.87	78.6	**-41.8**
- 40	-1.475	-2.255	-1.961	-1.527	-1.023	-0.194	-0.188		-1.50	-2.03	84.27	79.1	**-40.0**
- 39	-1.440	-2.201	-1.913	-1.490	-0.998	-0.190	-0.184		-1.46	-1.98	84.67	79.6	**-38.2**
- 38	-1.405	-2.147	-1.865	-1.453	-0.973	-0.186	-0.180		-1.43	-1.93	85.06	80.1	**-36.4**
- 37	-1.370	-2.093	-1.818	-1.417	-0.948	-0.181	-0.175		-1.39	-1.88	85.46	80.6	**-34.6**
- 36	-1.335	-2.038	-1.770	-1.380	-0.923	-0.177	-0.171		-1.36	-1.83	85.85	81.1	**-32.8**
- 35	-1.299	-1.984	-1.722	-1.343	-0.898	-0.173	-0.167		-1.32	-1.78	86.25	81.6	**-31.0**
- 34	-1.264	-1.929	-1.674	-1.305	-0.873	-0.168	-0.163		-1.28	-1.73	86.64	82.1	**-29.2**
- 33	-1.228	-1.874	-1.626	-1.268	-0.848	-0.164	-0.158		-1.25	-1.68	87.04	82.6	**-27.4**
- 32	-1.192	-1.820	-1.578	-1.231	-0.823	-0.159	-0.154		-1.21	-1.63	87.43	83.1	**-25.6**
- 31	-1.157	-1.765	-1.530	-1.194	-0.798	-0.155	-0.150		-1.18	-1.58	87.83	83.6	**-23.8**
- 30	-1.121	-1.709	-1.482	-1.156	-0.772	-0.150	-0.145		-1.14	-1.53	88.22	84.1	**-22.0**
- 29	-1.085	-1.654	-1.433	-1.119	-0.747	-0.146	-0.141		-1.10	-1.48	88.62	84.7	**-20.2**
- 28	-1.049	-1.599	-1.385	-1.081	-0.722	-0.141	-0.137		-1.07	-1.43	89.01	85.2	**-18.4**
- 27	-1.013	-1.543	-1.336	-1.043	-0.696	-0.136	-0.132		-1.03	-1.38	89.40	85.7	**-16.6**
- 26	-0.976	-1.488	-1.288	-1.006	-0.671	-0.132	-0.128		-0.99	-1.32	89.80	86.2	**-14.8**
- 25	-0.940	-1.432	-1.239	-0.968	-0.646	-0.127	-0.123		-0.95	-1.27	90.19	86.7	**-13.0**
- 24	-0.904	-1.376	-1.190	-0.930	-0.620	-0.122	-0.119		-0.92	-1.22	90.59	87.2	**-11.2**
- 23	-0.867	-1.320	-1.142	-0.892	-0.595	-0.117	-0.114		-0.88	-1.17	90.98	87.7	**-9.4**
- 22	-0.830	-1.264	-1.093	-0.854	-0.569	-0.113	-0.109		-0.84	-1.12	91.37	88.3	**-7.6**
- 21	-0.794	-1.208	-1.044	-0.816	-0.544	-0.108	-0.105		-0.81	-1.07	91.77	88.8	**-5.8**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
- 20	-0.757	-1.152	-0.995	-0.778	-0.518	-0.103	-0.100		-0.77	-1.02	92.16	89.3	**-4.0**
- 19	-0.720	-1.095	-0.946	-0.739	-0.492	-0.098	-0.095		-0.73	-0.97	92.55	89.8	**-2.2**
- 18	-0.683	-1.039	-0.896	-0.701	-0.467	-0.093	-0.091		-0.69	-0.92	92.95	90.3	**-0.4**
- 17	-0.646	-0.982	-0.847	-0.663	-0.441	-0.088	-0.086		-0.66	-0.87	93.34	90.9	**1.4**
- 16	-0.608	-0.925	-0.798	-0.624	-0.415	-0.083	-0.081		-0.62	-0.81	93.73	91.4	**3.2**
- 15	-0.571	-0.868	-0.749	-0.586	-0.390	-0.078	-0.076		-0.58	-0.76	94.12	91.9	**5.0**
- 14	-0.534	-0.811	-0.699	-0.547	-0.364	-0.073	-0.071		-0.54	-0.71	94.52	92.5	**6.8**
- 13	-0.496	-0.754	-0.650	-0.508	-0.338	-0.068	-0.066		-0.50	-0.66	94.91	93.0	**8.6**
- 12	-0.459	-0.697	-0.600	-0.470	-0.312	-0.063	-0.061		-0.47	-0.61	95.30	93.5	**10.4**
- 11	-0.421	-0.639	-0.550	-0.431	-0.286	-0.058	-0.056		-0.43	-0.56	95.69	94.0	**12.2**
- 10	-0.383	-0.582	-0.501	-0.392	-0.260	-0.053	-0.051		-0.39	-0.51	96.09	94.6	**14.0**
- 9	-0.345	-0.524	-0.451	-0.353	-0.234	-0.048	-0.046		-0.35	-0.46	96.48	95.1	**15.8**
- 8	-0.307	-0.466	-0.401	-0.314	-0.209	-0.042	-0.041		-0.31	-0.41	96.87	95.7	**17.6**
- 7	-0.269	-0.408	-0.351	-0.275	-0.183	-0.037	-0.036		-0.27	-0.36	97.26	96.2	**19.4**
- 6	-0.231	-0.350	-0.301	-0.236	-0.157	-0.032	-0.031		-0.23	-0.31	97.65	96.7	**21.2**
- 5	-0.193	-0.292	-0.251	-0.197	-0.131	-0.027	-0.026		-0.19	-0.25	98.04	97.3	**23.0**
- 4	-0.154	-0.234	-0.201	-0.157	-0.104	-0.021	-0.021		-0.16	-0.20	98.44	97.8	**24.8**
- 3	-0.116	-0.176	-0.151	-0.118	-0.078	-0.016	-0.016		-0.12	-0.15	98.83	98.4	**26.6**
- 2	-0.077	-0.117	-0.101	-0.079	-0.052	-0.011	-0.011		-0.08	-0.10	99.22	98.9	**28.4**
- 1	-0.039	-0.059	-0.050	-0.039	-0.026	-0.005	-0.005		-0.04	-0.05	99.61	99.5	**30.2**
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	100.00	100.0	**32.0**
1	0.039	0.059	0.050	0.039	0.026	0.005	0.005	0.000	0.04	0.05	100.39	100.5	**33.8**
2	0.078	0.118	0.101	0.079	0.052	0.011	0.011	0.000	0.08	0.10	100.78	101.1	**35.6**
3	0.117	0.176	0.151	0.119	0.078	0.016	0.016	-0.001	0.12	0.16	101.17	101.7	**37.4**
4	0.156	0.235	0.202	0.158	0.104	0.022	0.021	-0.001	0.16	0.21	101.56	102.2	**39.2**
5	0.195	0.294	0.253	0.198	0.130	0.027	0.027	-0.001	0.20	0.26	101.95	102.8	**41.0**
6	0.234	0.354	0.303	0.238	0.156	0.033	0.032	-0.001	0.24	0.31	102.34	103.3	**42.8**
7	0.273	0.413	0.354	0.277	0.182	0.038	0.038	-0.001	0.28	0.36	102.73	103.9	**44.6**
8	0.312	0.472	0.405	0.317	0.208	0.044	0.043	-0.002	0.32	0.42	103.12	104.4	**46.4**
9	0.352	0.532	0.456	0.357	0.235	0.050	0.049	-0.002	0.36	0.47	103.51	105.0	**48.2**
10	0.391	0.591	0.507	0.397	0.261	0.055	0.054	-0.002	0.40	0.52	103.90	105.6	**50.0**
11	0.431	0.651	0.558	0.437	0.287	0.061	0.060	-0.002	0.44	0.57	104.29	106.1	**51.8**
12	0.470	0.711	0.609	0.477	0.313	0.067	0.065	-0.002	0.48	0.63	104.68	106.7	**53.6**
13	0.510	0.770	0.660	0.517	0.340	0.072	0.071	-0.002	0.52	0.68	105.07	107.2	**55.4**
14	0.549	0.830	0.711	0.557	0.366	0.078	0.077	-0.002	0.56	0.73	105.46	107.8	**57.2**
15	0.589	0.890	0.762	0.597	0.393	0.084	0.082	-0.002	0.60	0.78	105.85	108.4	**59.0**
16	0.629	0.950	0.814	0.637	0.419	0.090	0.088	-0.002	0.64	0.84	106.24	109.0	**60.8**
17	0.669	1.010	0.865	0.677	0.446	0.095	0.094	-0.002	0.68	0.89	106.63	109.5	**62.6**
18	0.709	1.071	0.916	0.718	0.472	0.101	0.100	-0.003	0.72	0.94	107.02	110.1	**64.4**
19	0.749	1.131	0.968	0.758	0.499	0.107	0.105	-0.003	0.76	1.00	107.41	110.7	**66.2**
20	0.790	1.192	1.019	0.798	0.525	0.113	0.111	-0.003	0.80	1.05	107.79	111.2	**68.0**
21	0.830	1.252	1.071	0.838	0.552	0.119	0.117	-0.003	0.84	1.10	108.18	111.8	**69.8**
22	0.870	1.313	1.122	0.879	0.578	0.125	0.123	-0.003	0.88	1.16	108.57	112.4	**71.6**
23	0.911	1.373	1.174	0.919	0.605	0.131	0.129	-0.003	0.92	1.21	108.96	113.0	**73.4**
24	0.951	1.434	1.226	0.960	0.632	0.137	0.135	-0.003	0.96	1.26	109.35	113.5	**75.2**
25	0.992	1.495	1.277	1.000	0.659	0.143	0.141	-0.002	1.00	1.31	109.73	114.1	**77.0**
26	1.033	1.556	1.329	1.041	0.685	0.149	0.147	-0.002	1.05	1.37	110.12	114.7	**78.8**
27	1.074	1.617	1.381	1.081	0.712	0.155	0.153	-0.002	1.09	1.42	110.51	115.3	**80.6**
28	1.114	1.678	1.433	1.122	0.739	0.161	0.159	-0.002	1.13	1.47	110.90	115.9	**82.4**
29	1.155	1.740	1.485	1.163	0.766	0.167	0.165	-0.002	1.17	1.53	111.29	116.5	**84.2**
30	1.196	1.801	1.537	1.203	0.793	0.173	0.171	-0.002	1.21	1.58	111.67	117.1	**86.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
31	1.238	1.862	1.589	1.244	0.820	0.179	0.177	-0.002	1.25	1.63	112.06	117.6	**87.8**
32	1.279	1.924	1.641	1.285	0.847	0.185	0.183	-0.002	1.29	1.69	112.45	118.2	**89.6**
33	1.320	1.986	1.693	1.326	0.874	0.191	0.189	-0.002	1.34	1.74	112.83	118.8	**91.4**
34	1.362	2.047	1.745	1.366	0.901	0.197	0.195	-0.002	1.38	1.79	113.22	119.4	**93.2**
35	1.403	2.109	1.797	1.407	0.928	0.204	0.201	-0.001	1.42	1.84	113.61	120.0	**95.0**
36	1.445	2.171	1.849	1.448	0.955	0.210	0.207	-0.001	1.46	1.90	114.00	120.6	**96.8**
37	1.486	2.233	1.902	1.489	0.983	0.216	0.214	-0.001	1.50	1.95	114.38	121.2	**98.6**
38	1.528	2.295	1.954	1.530	1.010	0.222	0.220	-0.001	1.55	2.00	114.77	121.8	**100.4**
39	1.570	2.357	2.006	1.571	1.037	0.229	0.226	-0.001	1.59	2.06	115.15	122.4	**102.2**
40	1.612	2.420	2.059	1.612	1.065	0.235	0.232	0.000	1.63	2.11	115.54	123.0	**104.0**
41	1.654	2.482	2.111	1.653	1.092	0.241	0.239	0.000	1.67	2.16	115.93	123.6	**105.8**
42	1.696	2.545	2.164	1.694	1.119	0.248	0.245	0.000	1.71	2.22	116.31	124.2	**107.6**
43	1.738	2.607	2.216	1.735	1.147	0.254	0.251	0.000	1.76	2.27	116.70	124.8	**109.4**
44	1.780	2.670	2.269	1.776	1.174	0.260	0.258	0.000	1.80	2.33	117.08	125.4	**111.2**
45	1.823	2.733	2.322	1.817	1.202	0.267	0.264	0.001	1.84	2.38	117.47	126.0	**113.0**
46	1.865	2.795	2.374	1.858	1.229	0.273	0.271	0.001	1.88	2.43	117.86	126.7	**114.8**
47	1.908	2.858	2.427	1.899	1.257	0.280	0.277	0.001	1.92	2.49	118.24	127.3	**116.6**
48	1.950	2.921	2.480	1.941	1.284	0.286	0.284	0.002	1.97	2.54	118.63	127.9	**118.4**
49	1.993	2.984	2.532	1.982	1.312	0.292	0.290	0.002	2.01	2.60	119.01	128.5	**120.2**
50	2.036	3.048	2.585	2.023	1.340	0.299	0.296	0.002	2.05	2.65	119.40	129.1	**122.0**
51	2.079	3.111	2.638	2.064	1.368	0.305	0.303	0.003	2.09	2.70	119.78	129.7	**123.8**
52	2.122	3.174	2.691	2.106	1.395	0.312	0.310	0.003	2.14	2.76	120.17	130.3	**125.6**
53	2.165	3.238	2.744	2.147	1.423	0.319	0.316	0.003	2.18	2.81	120.55	131.0	**127.4**
54	2.208	3.301	2.797	2.188	1.451	0.325	0.323	0.004	2.22	2.87	120.94	131.6	**129.2**
55	2.251	3.365	2.850	2.230	1.479	0.332	0.329	0.004	2.26	2.92	121.32	132.2	**131.0**
56	2.294	3.429	2.903	2.271	1.507	0.338	0.336	0.004	2.31	2.97	121.71	132.8	**132.8**
57	2.338	3.492	2.956	2.312	1.535	0.345	0.343	0.005	2.35	3.03	122.09	133.5	**134.6**
58	2.381	3.556	3.009	2.354	1.563	0.352	0.349	0.005	2.39	3.08	122.47	134.1	**136.4**
59	2.425	3.620	3.062	2.395	1.591	0.358	0.356	0.006	2.44	3.14	122.86	134.7	**138.2**
60	2.468	3.685	3.116	2.436	1.619	0.365	0.363	0.006	2.48	3.19	123.24	135.3	**140.0**
61	2.512	3.749	3.169	2.478	1.647	0.372	0.369	0.007	2.52	3.24	123.63	136.0	**141.8**
62	2.556	3.813	3.222	2.519	1.675	0.378	0.376	0.007	2.57	3.30	124.01	136.6	**143.6**
63	2.600	3.877	3.275	2.561	1.703	0.385	0.383	0.008	2.61	3.35	124.39	137.2	**145.4**
64	2.643	3.942	3.329	2.602	1.732	0.392	0.390	0.008	2.65	3.41	124.78	137.9	**147.2**
65	2.687	4.006	3.382	2.644	1.760	0.399	0.397	0.009	2.69	3.46	125.16	138.5	**149.0**
66	2.732	4.071	3.436	2.685	1.788	0.405	0.403	0.009	2.74	3.51	125.54	139.2	**150.8**
67	2.776	4.136	3.489	2.727	1.817	0.412	0.410	0.010	2.78	3.57	125.93	139.8	**152.6**
68	2.820	4.200	3.543	2.768	1.845	0.419	0.417	0.010	2.82	3.62	126.31	140.4	**154.4**
69	2.864	4.265	3.596	2.810	1.873	0.426	0.424	0.011	2.87	3.68	126.69	141.1	**156.2**
70	2.909	4.330	3.650	2.851	1.902	0.433	0.431	0.011	2.91	3.73	127.08	141.7	**158.0**
71	2.953	4.395	3.703	2.893	1.930	0.440	0.438	0.012	2.95	3.78	127.46	142.4	**159.8**
72	2.998	4.460	3.757	2.934	1.959	0.446	0.445	0.012	3.00	3.84	127.84	143.0	**161.6**
73	3.043	4.526	3.810	2.976	1.988	0.453	0.452	0.013	3.04	3.89	128.22	143.7	**163.4**
74	3.087	4.591	3.864	3.017	2.016	0.460	0.459	0.014	3.09	3.95	128.61	144.3	**165.2**
75	3.132	4.656	3.918	3.059	2.045	0.467	0.466	0.014	3.13	4.00	128.99	145.0	**167.0**
76	3.177	4.722	3.971	3.100	2.074	0.474	0.473	0.015	3.17	4.05	129.37	145.6	**168.8**
77	3.222	4.788	4.025	3.142	2.102	0.481	0.480	0.015	3.22	4.11	129.75	146.3	**170.6**
78	3.267	4.853	4.079	3.184	2.131	0.488	0.487	0.016	3.26	4.16	130.13	146.9	**172.4**
79	3.312	4.919	4.133	3.225	2.160	0.495	0.494	0.017	3.31	4.22	130.52	147.6	**174.2**
80	3.358	4.985	4.187	3.267	2.189	0.502	0.501	0.017	3.35	4.27	130.90	148.3	**176.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
81	3.403	5.051	4.240	3.308	2.218	0.509	0.508	0.018	3.39	4.32	131.28	148.9	**177.8**
82	3.448	5.117	4.294	3.350	2.247	0.516	0.516	0.019	3.44	4.38	131.66	149.6	**179.6**
83	3.494	5.183	4.348	3.391	2.276	0.523	0.523	0.020	3.48	4.43	132.04	150.2	**181.4**
84	3.539	5.249	4.402	3.433	2.305	0.530	0.530	0.020	3.53	4.49	132.42	150.9	**183.2**
85	3.585	5.315	4.456	3.474	2.334	0.538	0.537	0.021	3.57	4.54	132.80	151.6	**185.0**
86	3.631	5.382	4.510	3.516	2.363	0.545	0.544	0.022	3.62	4.60	133.18	152.2	**186.8**
87	3.677	5.448	4.564	3.557	2.392	0.552	0.552	0.022	3.66	4.65	133.57	152.9	**188.6**
88	3.722	5.514	4.618	3.599	2.421	0.559	0.559	0.023	3.71	4.71	133.95	153.6	**190.4**
89	3.768	5.581	4.672	3.640	2.450	0.566	0.566	0.024	3.75	4.77	134.33	154.3	**192.2**
90	3.814	5.648	4.726	3.682	2.480	0.573	0.573	0.025	3.80	4.82	134.71	154.9	**194.0**
91	3.860	5.714	4.781	3.723	2.509	0.580	0.581	0.026	3.84	4.87	135.09	155.6	**195.8**
92	3.907	5.781	4.835	3.765	2.538	0.588	0.588	0.026	3.89	4.93	135.47	156.3	**197.6**
93	3.953	5.848	4.889	3.806	2.568	0.595	0.595	0.027	3.93	4.98	135.85	157.0	**199.4**
94	3.999	5.915	4.943	3.848	2.597	0.602	0.603	0.028	3.98	5.04	136.23	157.7	**201.2**
95	4.046	5.982	4.997	3.889	2.626	0.609	0.610	0.029	4.02	5.09	136.61	158.3	**203.0**
96	4.092	6.049	5.052	3.931	2.656	0.617	0.618	0.030	4.07	5.15	136.99	159.0	**204.8**
97	4.138	6.117	5.106	3.972	2.685	0.624	0.625	0.031	4.11	5.20	137.37	159.7	**206.6**
98	4.185	6.184	5.160	4.013	2.715	0.631	0.632	0.031	4.16	5.26	137.75	160.4	**208.4**
99	4.232	6.251	5.215	4.055	2.744	0.639	0.640	0.032	4.20	5.32	138.13	161.1	**210.2**
100	4.279	6.319	5.269	4.096	2.774	0.646	0.647	0.033	4.25	5.37	138.51	161.8	**212.0**
101	4.325	6.386	5.323	4.138	2.804	0.653	0.655	0.034	4.30	5.42	138.88	162.5	**213.8**
102	4.372	6.454	5.378	4.179	2.833	0.661	0.662	0.035	4.34	5.48	139.26	163.2	**215.6**
103	4.419	6.522	5.432	4.220	2.863	0.668	0.670	0.036	4.39	5.53	139.64	163.9	**217.4**
104	4.466	6.590	5.487	4.262	2.893	0.675	0.677	0.037	4.43	5.59	140.02	164.6	**219.2**
105	4.513	6.658	5.541	4.303	2.923	0.683	0.685	0.038	4.48	5.64	140.40	165.3	**221.0**
106	4.561	6.725	5.595	4.344	2.953	0.690	0.693	0.039	4.53	5.70	140.78	166.0	**222.8**
107	4.608	6.794	5.650	4.385	2.983	0.698	0.700	0.040	4.57	5.75	141.16	166.7	**224.6**
108	4.655	6.862	5.705	4.427	3.012	0.705	0.708	0.041	4.62	5.81	141.54	167.4	**226.4**
109	4.702	6.930	5.759	4.468	3.042	0.713	0.715	0.042	4.66	5.87	141.91	168.1	**228.2**
110	4.750	6.998	5.814	4.509	3.072	0.720	0.723	0.043	4.71	5.92	142.29	168.8	**230.0**
111	4.798	7.066	5.868	4.550	3.102	0.727	0.731	0.044	4.76	5.97	142.67	169.5	**231.8**
112	4.845	7.135	5.923	4.591	3.133	0.735	0.738	0.045	4.80	6.03	143.05	170.2	**233.6**
113	4.893	7.203	5.977	4.633	3.163	0.743	0.746	0.046	4.85	6.08	143.43	170.9	**235.4**
114	4.941	7.272	6.032	4.674	3.193	0.750	0.754	0.047	4.90	6.14	143.80	171.6	**237.2**
115	4.988	7.341	6.087	4.715	3.223	0.758	0.761	0.048	4.94	6.19	144.18	172.4	**239.0**
116	5.036	7.409	6.141	4.756	3.253	0.765	0.769	0.049	4.99	6.25	144.56	173.1	**240.8**
117	5.084	7.478	6.196	4.797	3.283	0.773	0.777	0.050	5.04	6.30	144.94	173.8	**242.6**
118	5.132	7.547	6.251	4.838	3.314	0.780	0.785	0.051	5.09	6.36	145.31	174.5	**244.4**
119	5.180	7.616	6.306	4.879	3.344	0.788	0.792	0.052	5.13	6.42	145.69	175.2	**246.2**
120	5.228	7.685	6.360	4.920	3.374	0.795	0.800	0.053	5.18	6.47	146.07	176.0	**248.0**
121	5.277	7.754	6.415	4.961	3.405	0.803	0.808	0.055	5.23	6.53	146.44	176.7	**249.8**
122	5.325	7.823	6.470	5.002	3.435	0.811	0.816	0.056	5.27	6.58	146.82	177.4	**251.6**
123	5.373	7.892	6.525	5.043	3.466	0.818	0.824	0.057	5.32	6.64	147.20	178.2	**253.4**
124	5.422	7.962	6.579	5.084	3.496	0.826	0.832	0.058	5.37	6.69	147.57	178.9	**255.2**
125	5.470	8.031	6.634	5.124	3.527	0.834	0.839	0.059	5.41	6.75	147.95	179.6	**257.0**
126	5.519	8.101	6.689	5.165	3.557	0.841	0.847	0.060	5.46	6.81	148.33	180.4	**258.8**
127	5.567	8.170	6.744	5.206	3.588	0.849	0.855	0.062	5.51	6.86	148.70	181.1	**260.6**
128	5.616	8.240	6.799	5.247	3.619	0.857	0.863	0.063	5.56	6.92	149.08	181.8	**262.4**
129	5.665	8.309	6.854	5.288	3.649	0.865	0.871	0.064	5.60	6.97	149.46	182.6	**264.2**
130	5.714	8.379	6.909	5.328	3.680	0.872	0.879	0.065	5.65	7.03	149.83	183.3	**266.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
131	5.763	8.449	6.964	5.369	3.711	0.880	0.887	0.066	5.70	7.09	150.21	184.1	**267.8**
132	5.812	8.519	7.019	5.410	3.742	0.888	0.895	0.068	5.75	7.14	150.58	184.8	**269.6**
133	5.861	8.589	7.074	5.450	3.772	0.896	0.903	0.069	5.79	7.20	150.96	185.6	**271.4**
134	5.910	8.659	7.129	5.491	3.803	0.903	0.911	0.070	5.84	7.25	151.33	186.3	**273.2**
135	5.959	8.729	7.184	5.532	3.834	0.911	0.919	0.072	5.89	7.31	151.71	187.1	**275.0**
136	6.008	8.799	7.239	5.572	3.865	0.919	0.927	0.073	5.94	7.37	152.08	187.8	**276.8**
137	6.057	8.869	7.294	5.613	3.896	0.927	0.935	0.074	5.99	7.42	152.46	188.6	**278.6**
138	6.107	8.940	7.349	5.653	3.927	0.935	0.943	0.075	6.03	7.48	152.83	189.4	**280.4**
139	6.156	9.010	7.404	5.694	3.958	0.942	0.951	0.077	6.08	7.53	153.21	190.1	**282.2**
140	6.206	9.081	7.459	5.735	3.989	0.950	0.959	0.078	6.13	7.59	153.58	190.9	**284.0**
141	6.255	9.151	7.514	5.775	4.020	0.958	0.967	0.079	6.18	7.65	153.96	191.7	**285.8**
142	6.305	9.222	7.569	5.815	4.051	0.966	0.976	0.081	6.23	7.70	154.33	192.4	**287.6**
143	6.355	9.292	7.624	5.856	4.083	0.974	0.984	0.082	6.28	7.76	154.71	193.2	**289.4**
144	6.404	9.363	7.679	5.896	4.114	0.982	0.992	0.084	6.33	7.81	155.08	194.0	**291.2**
145	6.454	9.434	7.734	5.937	4.145	0.990	1.000	0.085	6.37	7.87	155.46	194.7	**293.0**
146	6.504	9.505	7.789	5.977	4.176	0.998	1.008	0.086	6.42	7.93	155.83	195.5	**294.8**
147	6.554	9.576	7.844	6.017	4.208	1.006	1.016	0.088	6.47	7.98	156.20	196.3	**296.6**
148	6.604	9.647	7.900	6.058	4.239	1.013	1.025	0.089	6.52	8.04	156.58	197.1	**298.4**
149	6.654	9.718	7.955	6.098	4.270	1.021	1.033	0.091	6.57	8.09	156.95	197.9	**300.2**
150	6.704	9.789	8.010	6.138	4.302	1.029	1.041	0.092	6.62	8.15	157.33	198.6	**302.0**
151	6.754	9.860	8.065	6.179	4.333	1.037	1.049	0.094	6.67	8.21	157.70	199.4	**303.8**
152	6.805	9.931	8.120	6.219	4.365	1.045	1.058	0.095	6.72	8.26	158.07	200.2	**305.6**
153	6.855	10.003	8.175	6.259	4.396	1.053	1.066	0.096	6.77	8.32	158.45	201.0	**307.4**
154	6.905	10.074	8.231	6.299	4.428	1.061	1.074	0.098	6.82	8.37	158.82	201.8	**309.2**
155	6.956	10.145	8.286	6.339	4.459	1.069	1.082	0.099	6.87	8.43	159.19	202.6	**311.0**
156	7.006	10.217	8.341	6.380	4.491	1.077	1.091	0.101	6.92	8.49	159.56	203.4	**312.8**
157	7.057	10.288	8.396	6.420	4.523	1.085	1.099	0.102	6.97	8.54	159.94	204.2	**314.6**
158	7.107	10.360	8.452	6.460	4.554	1.094	1.107	0.104	7.02	8.60	160.31	205.0	**316.4**
159	7.158	10.432	8.507	6.500	4.586	1.102	1.116	0.106	7.07	8.65	160.68	205.8	**318.2**
160	7.209	10.503	8.562	6.540	4.618	1.110	1.124	0.107	7.12	8.71	161.05	206.6	**320.0**
161	7.260	10.575	8.618	6.580	4.650	1.118	1.132	0.109	7.17	8.77	161.43	207.4	**321.8**
162	7.310	10.647	8.673	6.620	4.681	1.126	1.141	0.110	7.22	8.82	161.80	208.2	**323.6**
163	7.361	10.719	8.728	6.660	4.713	1.134	1.149	0.112	7.27	8.88	162.17	209.0	**325.4**
164	7.412	10.791	8.783	6.701	4.745	1.142	1.158	0.113	7.33	8.93	162.54	209.8	**327.2**
165	7.463	10.863	8.839	6.741	4.777	1.150	1.166	0.115	7.37	8.99	162.91	210.6	**329.0**
166	7.515	10.935	8.894	6.781	4.809	1.158	1.175	0.117	7.43	9.05	163.29	211.5	**330.8**
167	7.566	11.007	8.949	6.821	4.841	1.167	1.183	0.118	7.48	9.10	163.66	212.3	**332.6**
168	7.617	11.080	9.005	6.861	4.873	1.175	1.191	0.120	7.53	9.16	164.03	213.1	**334.4**
169	7.668	11.152	9.060	6.901	4.905	1.183	1.200	0.122	7.58	9.21	164.40	213.9	**336.2**
170	7.720	11.224	9.115	6.941	4.937	1.191	1.208	0.123	7.63	9.27	164.77	214.8	**338.0**
171	7.771	11.297	9.171	6.981	4.969	1.199	1.217	0.125	7.68	9.33	165.14	215.6	**339.8**
172	7.823	11.369	9.226	7.021	5.001	1.207	1.225	0.127	7.73	9.38	165.51	216.4	**341.6**
173	7.874	11.442	9.282	7.060	5.033	1.216	1.234	0.128	7.79	9.44	165.89	217.3	**343.4**
174	7.926	11.514	9.337	7.100	5.066	1.224	1.242	0.130	7.84	9.49	166.26	218.1	**345.2**
175	7.977	11.587	9.392	7.140	5.098	1.232	1.251	0.132	7.89	9.55	166.63	218.9	**347.0**
176	8.029	11.660	9.448	7.180	5.130	1.240	1.260	0.134	7.94	9.61	167.00	219.8	**348.8**
177	8.081	11.733	9.503	7.220	5.162	1.249	1.268	0.135	7.99	9.66	167.37	220.6	**350.6**
178	8.133	11.805	9.559	7.260	5.195	1.257	1.277	0.137	8.05	9.72	167.74	221.5	**352.4**
179	8.185	11.878	9.614	7.300	5.227	1.265	1.285	0.139	8.10	9.77	168.11	222.3	**354.2**
180	8.237	11.951	9.669	7.340	5.259	1.273	1.294	0.141	8.15	9.83	168.48	223.2	**356.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
181	8.289	12.024	9.725	7.380	5.292	1.282	1.303	0.142	8.20	9.89	168.85	224.0	**357.8**
182	8.341	12.097	9.780	7.420	5.324	1.290	1.311	0.144	8.25	9.94	169.22	224.9	**359.6**
183	8.393	12.170	9.836	7.460	5.357	1.298	1.320	0.146	8.31	10.00	169.59	225.7	**361.4**
184	8.445	12.243	9.891	7.500	5.389	1.307	1.329	0.148	8.36	10.05	169.96	226.6	**363.2**
185	8.497	12.317	9.947	7.540	5.422	1.315	1.337	0.150	8.41	10.11	170.33	227.4	**365.0**
186	8.550	12.390	10.002	7.579	5.454	1.323	1.346	0.151	8.46	10.17	170.70	228.3	**366.8**
187	8.602	12.463	10.057	7.619	5.487	1.332	1.355	0.153	8.51	10.22	171.07	229.2	**368.6**
188	8.654	12.537	10.113	7.659	5.520	1.340	1.363	0.155	8.57	10.28	171.43	230.0	**370.4**
189	8.707	12.610	10.168	7.699	5.552	1.348	1.372	0.157	8.62	10.33	171.80	230.9	**372.2**
190	8.759	12.684	10.224	7.739	5.585	1.357	1.381	0.159	8.67	10.39	172.17	231.8	**374.0**
191	8.812	12.757	10.279	7.779	5.618	1.365	1.389	0.161	8.72	10.45	172.54	232.7	**375.8**
192	8.865	12.831	10.335	7.819	5.650	1.373	1.398	0.163	8.78	10.50	172.91	233.5	**377.6**
193	8.917	12.904	10.390	7.859	5.683	1.382	1.407	0.165	8.83	10.56	173.28	234.4	**379.4**
194	8.970	12.978	10.446	7.899	5.716	1.390	1.416	0.166	8.88	10.61	173.65	235.3	**381.2**
195	9.023	13.052	10.501	7.939	5.749	1.399	1.425	0.168	8.93	10.67	174.02	236.2	**383.0**
196	9.076	13.126	10.557	7.979	5.782	1.407	1.433	0.170	8.99	10.73	174.38	237.1	**384.8**
197	9.129	13.199	10.612	8.019	5.815	1.415	1.442	0.172	9.04	10.78	174.75	238.0	**386.6**
198	9.182	13.273	10.668	8.059	5.847	1.424	1.451	0.174	9.09	10.84	175.12	238.9	**388.4**
199	9.235	13.347	10.723	8.099	5.880	1.432	1.460	0.176	9.15	10.89	175.49	239.8	**390.2**
200	9.288	13.421	10.779	8.138	5.913	1.441	1.469	0.178	9.20	10.95	175.86	240.7	**392.0**
201	9.341	13.495	10.834	8.178	5.946	1.449	1.477	0.180	9.25	11.01	176.22	241.6	**393.8**
202	9.395	13.569	10.890	8.218	5.979	1.458	1.486	0.182	9.31	11.06	176.59	242.5	**395.6**
203	9.448	13.644	10.945	8.258	6.013	1.466	1.495	0.184	9.36	11.12	176.96	243.4	**397.4**
204	9.501	13.718	11.001	8.298	6.046	1.475	1.504	0.186	9.42	11.17	177.33	244.3	**399.2**
205	9.555	13.792	11.056	8.338	6.079	1.483	1.513	0.188	9.47	11.23	177.69	245.2	**401.0**
206	9.608	13.866	11.112	8.378	6.112	1.492	1.522	0.190	9.52	11.29	178.06	246.1	**402.8**
207	9.662	13.941	11.167	8.418	6.145	1.500	1.531	0.192	9.58	11.34	178.43	247.0	**404.6**
208	9.715	14.015	11.223	8.458	6.178	1.509	1.540	0.195	9.63	11.40	178.79	247.9	**406.4**
209	9.769	14.090	11.278	8.499	6.211	1.517	1.549	0.197	9.69	11.45	179.16	248.9	**408.2**
210	9.822	14.164	11.334	8.539	6.245	1.526	1.558	0.199	9.74	11.51	179.53	249.8	**410.0**
211	9.876	14.239	11.389	8.579	6.278	1.534	1.567	0.201	9.79	11.57	179.89	250.7	**411.8**
212	9.930	14.313	11.445	8.619	6.311	1.543	1.575	0.203	9.85	11.62	180.26	251.7	**413.6**
213	9.984	14.388	11.501	8.659	6.345	1.551	1.584	0.205	9.90	11.68	180.63	252.6	**415.4**
214	10.038	14.463	11.556	8.699	6.378	1.560	1.593	0.207	9.96	11.73	180.99	253.5	**417.2**
215	10.092	14.537	11.612	8.739	6.411	1.569	1.602	0.209	10.01	11.79	181.36	254.5	**419.0**
216	10.146	14.612	11.667	8.779	6.445	1.577	1.611	0.212	10.07	11.85	181.72	255.4	**420.8**
217	10.200	14.687	11.723	8.819	6.478	1.586	1.620	0.214	10.12	11.90	182.09	256.3	**422.6**
218	10.254	14.762	11.778	8.860	6.512	1.594	1.629	0.216	10.18	11.96	182.46	257.3	**424.4**
219	10.308	14.837	11.834	8.900	6.545	1.603	1.639	0.218	10.23	12.01	182.82	258.2	**426.2**
220	10.362	14.912	11.889	8.940	6.579	1.612	1.648	0.220	10.29	12.07	183.19	259.2	**428.0**
221	10.417	14.987	11.945	8.980	6.612	1.620	1.657	0.222	10.35	12.13	183.55	260.2	**429.8**
222	10.471	15.062	12.000	9.020	6.646	1.629	1.666	0.225	10.40	12.18	183.92	261.1	**431.6**
223	10.525	15.137	12.056	9.061	6.680	1.638	1.675	0.227	10.46	12.24	184.28	262.1	**433.4**
224	10.580	15.212	12.111	9.101	6.713	1.646	1.684	0.229	10.51	12.29	184.65	263.0	**435.2**
225	10.634	15.287	12.167	9.141	6.747	1.655	1.693	0.231	10.57	12.35	185.01	264.0	**437.0**
226	10.689	15.362	12.222	9.181	6.781	1.663	1.702	0.234	10.62	12.41	185.38	265.0	**438.8**
227	10.743	15.438	12.278	9.222	6.814	1.672	1.711	0.236	10.68	12.46	185.74	266.0	**440.6**
228	10.798	15.513	12.334	9.262	6.848	1.681	1.720	0.238	10.74	12.52	186.11	266.9	**442.4**
229	10.853	15.588	12.389	9.302	6.882	1.690	1.729	0.241	10.79	12.57	186.47	267.9	**444.2**
230	10.907	15.664	12.445	9.343	6.916	1.698	1.739	0.243	10.85	12.63	186.84	268.9	**446.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
231	10.962	15.739	12.500	9.383	6.949	1.707	1.748	0.245	10.91	12.69	187.20	269.9	**447.8**
232	11.017	15.815	12.556	9.423	6.983	1.716	1.757	0.248	10.96	12.74	187.56	270.9	**449.6**
233	11.072	15.890	12.611	9.464	7.017	1.724	1.766	0.250	11.02	12.80	187.93	271.8	**451.4**
234	11.127	15.966	12.667	9.504	7.051	1.733	1.775	0.252	11.07	12.85	188.29	272.8	**453.2**
235	11.182	16.041	12.722	9.545	7.085	1.742	1.784	0.255	11.13	12.91	188.66	273.8	**455.0**
236	11.237	16.117	12.778	9.585	7.119	1.751	1.794	0.257	11.19	12.97	189.02	274.8	**456.8**
237	11.292	16.193	12.833	9.626	7.153	1.759	1.803	0.259	11.24	13.02	189.38	275.8	**458.6**
238	11.347	16.269	12.889	9.666	7.187	1.768	1.812	0.262	11.30	13.08	189.75	276.8	**460.4**
239	11.403	16.344	12.944	9.707	7.221	1.777	1.821	0.264	11.35	13.13	190.11	277.9	**462.2**
240	11.458	16.420	13.000	9.747	7.255	1.786	1.831	0.267	11.41	13.19	190.47	278.9	**464.0**
241	11.513	16.496	13.056	9.788	7.289	1.794	1.840	0.269	11.47	13.25	190.84	279.9	**465.8**
242	11.569	16.572	13.111	9.828	7.323	1.803	1.849	0.271	11.52	13.30	191.20	280.9	**467.6**
243	11.624	16.648	13.167	9.869	7.357	1.812	1.858	0.274	11.58	13.36	191.56	281.9	**469.4**
244	11.680	16.724	13.222	9.909	7.392	1.821	1.868	0.276	11.64	13.41	191.92	282.9	**471.2**
245	11.735	16.800	13.278	9.950	7.426	1.829	1.877	0.279	11.69	13.47	192.29	284.0	**473.0**
246	11.791	16.876	13.333	9.991	7.460	1.838	1.886	0.281	11.75	13.53	192.65	285.0	**474.8**
247	11.846	16.952	13.389	10.031	7.494	1.847	1.895	0.284	11.81	13.58	193.01	286.0	**476.6**
248	11.902	17.028	13.444	10.072	7.528	1.856	1.905	0.286	11.87	13.64	193.37	287.1	**478.4**
249	11.958	17.104	13.500	10.113	7.563	1.865	1.914	0.289	11.92	13.69	193.74	288.1	**480.2**
250	12.013	17.181	13.555	10.153	7.597	1.874	1.923	0.291	11.98	13.75	194.10	289.2	**482.0**
251	12.069	17.257	13.611	10.194	7.631	1.882	1.933	0.294	12.04	13.81	194.46		**483.8**
252	12.125	17.333	13.666	10.235	7.666	1.891	1.942	0.296	12.09	13.86	194.82		**485.6**
253	12.181	17.409	13.722	10.276	7.700	1.900	1.951	0.299	12.15	13.92	195.18		**487.4**
254	12.237	17.486	13.777	10.316	7.734	1.909	1.961	0.301	12.21	13.97	195.55		**489.2**
255	12.293	17.562	13.833	10.357	7.769	1.918	1.970	0.304	12.26	14.03	195.91		**491.0**
256	12.349	17.639	13.888	10.398	7.803	1.927	1.980	0.307	12.32	14.09	196.27		**492.8**
257	12.405	17.715	13.944	10.439	7.838	1.936	1.989	0.309	12.38	14.14	196.63		**494.6**
258	12.461	17.792	13.999	10.480	7.872	1.944	1.998	0.312	12.44	14.20	196.99		**496.4**
259	12.518	17.868	14.055	10.520	7.907	1.953	2.008	0.314	12.49	14.25	197.35		**498.2**
260	12.574	17.945	14.110	10.561	7.941	1.962	2.017	0.317	12.55	14.31	197.71		**500.0**
261	12.630	18.021	14.166	10.602	7.976	1.971	2.027	0.320	12.61	14.37	198.07		**501.8**
262	12.687	18.098	14.221	10.643	8.010	1.980	2.036	0.322	12.67	14.42	198.43		**503.6**
263	12.743	18.175	14.277	10.684	8.045	1.989	2.046	0.325	12.72	14.48	198.79		**505.4**
364	12.799	18.252	14.332	10.725	8.080	1.998	2.055	0.328	12.78	14.54	199.15		**507.2**
265	12.856	18.328	14.388	10.766	8.114	2.007	2.064	0.330	12.84	14.59	199.51		**509.0**
266	12.912	18.405	14.443	10.807	8.149	2.016	2.074	0.333	12.90	14.65	199.87		**510.8**
267	12.969	18.482	14.499	10.848	8.184	2.025	2.083	0.336	12.96	14.71	200.23		**512.6**
268	13.026	18.559	14.554	10.889	8.218	2.034	2.093	0.338	13.01	14.76	200.59		**514.4**
269	13.082	18.636	14.609	10.930	8.253	2.043	2.102	0.341	13.07	14.82	200.95		**516.2**
270	13.139	18.713	14.665	10.971	8.288	2.052	2.112	0.344	13.13	14.88	201.31		**518.0**
271	13.196	18.790	14.720	11.012	8.323	2.061	2.121	0.347	13.19	14.94	201.67		**519.8**
272	13.253	18.867	14.776	11.053	8.358	2.070	2.131	0.349	13.25	14.99	202.03		**521.6**
273	13.310	18.944	14.831	11.094	8.392	2.078	2.140	0.352	13.30	15.05	202.39		**523.4**
274	13.366	19.021	14.887	11.135	8.427	2.087	2.150	0.355	13.36	15.10	202.75		**525.2**
275	13.423	19.098	14.942	11.176	8.462	2.096	2.159	0.358	13.42	15.16	203.11		**527.0**
276	13.480	19.175	14.998	11.217	8.497	2.105	2.169	0.360	13.48	15.22	203.47		**528.8**
277	13.537	19.252	15.053	11.259	8.532	2.114	2.179	0.363	13.54	15.27	203.83		**530.6**
278	13.595	19.330	15.109	11.300	8.567	2.123	2.188	0.366	13.59	15.33	204.19		**532.4**
279	13.652	19.407	15.164	11.341	8.602	2.132	2.198	0.369	13.65	15.38	204.55		**534.2**
280	13.709	19.484	15.219	11.382	8.637	2.141	2.207	0.372	13.71	15.44	204.90		**536.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
281	13.766	19.561	15.275	11.423	8.672	2.151	2.217	0.375	13.77	15.50	205.26		**537.8**
282	13.823	19.639	15.330	11.465	8.707	2.160	2.226	0.377	13.83	15.55	205.62		**539.6**
283	13.881	19.716	15.386	11.506	8.742	2.169	2.236	0.380	13.89	15.61	205.98		**541.4**
284	13.938	19.794	15.441	11.547	8.777	2.178	2.246	0.383	13.95	15.66	206.34		**543.2**
285	13.995	19.871	15.496	11.588	8.812	2.187	2.255	0.386	14.00	15.72	206.70		**545.0**
286	14.053	19.948	15.552	11.630	8.847	2.196	2.265	0.389	14.06	15.78	207.05		**546.8**
287	14.110	20.026	15.607	11.671	8.882	2.205	2.275	0.392	14.12	15.83	207.41		**548.6**
288	14.168	20.103	15.663	11.712	8.918	2.214	2.284	0.395	14.18	15.89	207.77		**550.4**
289	14.226	20.181	15.718	11.753	8.953	2.223	2.294	0.398	14.24	15.94	208.13		**552.2**
290	14.283	20.259	15.773	11.795	8.988	2.232	2.304	0.401	14.30	16.00	208.48		**554.0**
291	14.341	20.336	15.829	11.836	9.023	2.241	2.313	0.404	14.36	16.06	208.84		**555.8**
292	14.399	20.414	15.884	11.877	9.058	2.250	2.323	0.407	14.42	16.11	209.20		**557.6**
293	14.456	20.492	15.940	11.919	9.094	2.259	2.333	0.410	14.48	16.17	209.56		**559.4**
294	14.514	20.569	15.995	11.960	9.129	2.268	2.342	0.413	14.54	16.22	209.91		**561.2**
295	14.572	20.647	16.050	12.001	9.164	2.277	2.352	0.416	14.60	16.28	210.27		**563.0**
296	14.630	20.725	16.106	12.043	9.200	2.287	2.362	0.419	14.66	16.34	210.63		**564.8**
297	14.688	20.803	16.161	12.084	9.235	2.296	2.371	0.422	14.72	16.39	210.98		**566.6**
298	14.746	20.880	16.216	12.126	9.270	2.305	2.381	0.425	14.78	16.45	211.34		**568.4**
299	14.804	20.958	16.272	12.167	9.306	2.314	2.391	0.428	14.84	16.50	211.70		**570.2**
300	14.862	21.036	16.327	12.209	9.341	2.323	2.401	0.431	14.90	16.56	212.05		**572.0**
301	14.920	21.114	16.383	12.250	9.377	2.332	2.410	0.434	14.96	16.62	212.41		**573.8**
302	14.978	21.192	16.438	12.291	9.412	2.341	2.420	0.437	15.02	16.67	212.76		**575.6**
303	15.036	21.270	16.493	12.333	9.448	2.350	2.430	0.440	15.08	16.73	213.12		**577.4**
304	15.095	21.348	16.549	12.374	9.483	2.360	2.440	0.443	15.14	16.78	213.48		**579.2**
305	15.153	21.426	16.604	12.416	9.519	2.369	2.449	0.446	15.20	16.84	213.83		**581.0**
306	15.211	21.504	16.659	12.457	9.554	2.378	2.459	0.449	15.26	16.90	214.19		**582.8**
307	15.270	21.582	16.715	12.499	9.590	2.387	2.469	0.452	15.32	16.95	214.54		**584.6**
308	15.328	21.660	16.770	12.540	9.625	2.396	2.479	0.455	15.38	17.01	214.90		**586.4**
309	15.386	21.739	16.825	12.582	9.661	2.405	2.488	0.458	15.44	17.06	215.25		**588.2**
310	15.445	21.817	16.881	12.624	9.696	2.415	2.498	0.462	15.50	17.12	215.61		**590.0**
311	15.503	21.895	16.936	12.665	9.732	2.424	2.508	0.465	15.56	17.18	215.96		**591.8**
312	15.562	21.973	16.991	12.707	9.768	2.433	2.518	0.468	15.62	17.23	216.32		**593.6**
313	15.621	22.051	17.046	12.748	9.803	2.442	2.528	0.471	15.68	17.29	216.67		**595.4**
314	15.679	22.130	17.102	12.790	9.839	2.451	2.538	0.474	15.74	17.34	217.03		**597.2**
315	15.738	22.208	17.157	12.831	9.875	2.461	2.547	0.478	15.80	17.40	217.38		**599.0**
316	15.797	22.286	17.212	12.873	9.910	2.470	2.557	0.481	15.86	17.46	217.74		**600.8**
317	15.856	22.365	17.268	12.915	9.946	2.479	2.567	0.484	15.92	17.51	218.09		**602.6**
318	15.914	22.443	17.323	12.956	9.982	2.488	2.577	0.487	15.98	17.57	218.44		**604.4**
319	15.973	22.522	17.378	12.998	10.018	2.497	2.587	0.490	16.04	17.62	218.80		**606.2**
320	16.032	22.600	17.434	13.040	10.054	2.507	2.597	0.494	16.10	17.68	219.15		**608.0**
321	16.091	22.678	17.489	13.081	10.089	2.516	2.607	0.497	16.16	17.74	219.51		**609.8**
322	16.150	22.757	17.544	13.123	10.125	2.525	2.617	0.500	16.22	17.79	219.86		**611.6**
323	16.209	22.835	17.599	13.165	10.161	2.534	2.626	0.503	16.28	17.85	220.21		**613.4**
324	16.268	22.914	17.655	13.206	10.197	2.544	2.636	0.507	16.34	17.90	220.57		**615.2**
325	16.327	22.993	17.710	13.248	10.233	2.553	2.646	0.510	16.40	17.96	220.92		**617.0**
326	16.387	23.071	17.765	13.290	10.269	2.562	2.656	0.513	16.46	18.02	221.27		**618.8**
327	16.446	23.150	17.820	13.331	10.305	2.571	2.666	0.517	16.52	18.07	221.63		**620.6**
328	16.505	23.228	17.876	13.373	10.341	2.581	2.676	0.520	16.58	18.13	221.98		**622.4**
329	16.564	23.307	17.931	13.415	10.377	2.590	2.686	0.523	16.64	18.18	222.33		**624.2**
330	16.624	23.386	17.986	13.457	10.413	2.599	2.696	0.527	16.70	18.24	222.68		**626.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
331	16.683	23.464	18.041	13.498	10.449	2.609	2.706	0.530	16.76	18.30	223.04		**627.8**
332	16.742	23.543	18.097	13.540	10.485	2.618	2.716	0.533	16.82	18.35	223.39		**629.6**
333	16.802	23.622	18.152	13.582	10.521	2.627	2.726	0.537	16.88	18.41	223.74		**631.4**
334	16.861	23.701	18.207	13.624	10.557	2.636	2.736	0.540	16.94	18.46	224.09		**633.2**
335	16.921	23.780	18.262	13.665	10.593	2.646	2.746	0.544	17.00	18.52	224.45		**635.0**
336	16.980	23.858	18.318	13.707	10.629	2.655	2.756	0.547	17.07	18.58	224.80		**636.8**
337	17.040	23.937	18.373	13.749	10.665	2.664	2.766	0.550	17.13	18.63	225.15		**638.6**
338	17.100	24.016	18.428	13.791	10.701	2.674	2.776	0.554	17.19	18.69	225.50		**640.4**
339	17.159	24.095	18.483	13.833	10.737	2.683	2.786	0.557	17.24	18.74	225.85		**642.2**
340	17.219	24.174	18.538	13.874	10.774	2.692	2.796	0.561	17.31	18.80	226.21		**644.0**
341	17.279	24.253	18.594	13.916	10.810	2.702	2.806	0.564	17.37	18.86	226.56		**645.8**
342	17.339	24.332	18.649	13.958	10.846	2.711	2.816	0.568	17.43	18.91	226.91		**647.6**
343	17.399	24.411	18.704	14.000	10.882	2.720	2.826	0.571	17.49	18.97	227.26		**649.4**
344	17.458	24.490	18.759	14.042	10.918	2.730	2.836	0.575	17.55	19.02	227.61		**651.2**
345	17.518	24.569	18.814	14.084	10.955	2.739	2.846	0.578	17.61	19.08	227.96		**653.0**
346	17.578	24.648	18.870	14.126	10.991	2.748	2.856	0.582	17.68	19.14	228.31		**654.8**
347	17.638	24.727	18.925	14.167	11.027	2.758	2.866	0.585	17.74	19.19	228.66		**656.6**
348	17.698	24.806	18.980	14.209	11.064	2.767	2.876	0.589	17.80	19.25	229.02		**658.4**
349	17.759	24.885	19.035	14.251	11.100	2.776	2.886	0.592	17.86	19.30	229.37		**660.2**
350	17.819	24.964	19.090	14.293	11.136	2.786	2.896	0.596	17.92	19.36	229.72		**662.0**
351	17.879	25.044	19.146	14.335	11.173	2.795	2.906	0.599	17.98	19.42	230.07		**663.8**
352	17.939	25.123	19.201	14.377	11.209	2.805	2.916	0.603	18.04	19.47	230.42		**665.6**
353	17.999	25.202	19.256	14.419	11.245	2.814	2.926	0.607	18.10	19.53	230.77		**667.4**
354	18.060	25.281	19.311	14.461	11.282	2.823	2.937	0.610	18.16	19.58	231.12		**669.2**
355	18.120	25.360	19.366	14.503	11.318	2.833	2.947	0.614	18.22	19.64	231.47		**671.0**
356	18.180	25.440	19.422	14.545	11.355	2.842	2.957	0.617	18.29	19.70	231.82		**672.8**
357	18.241	25.519	19.477	14.587	11.391	2.851	2.967	0.621	18.35	19.75	232.17		**674.6**
358	18.301	25.598	19.532	14.629	11.428	2.861	2.977	0.625	18.41	19.81	232.52		**676.4**
359	18.362	25.678	19.587	14.671	11.464	2.870	2.987	0.628	18.47	19.86	232.87		**678.2**
360	18.422	25.757	19.642	14.713	11.501	2.880	2.997	0.632	18.53	19.92	233.21		**680.0**
361	18.483	25.836	19.697	14.755	11.537	2.889	3.007	0.636	18.59	19.98	233.56		**681.8**
362	18.543	25.916	19.753	14.797	11.574	2.899	3.018	0.639	18.65	20.03	233.91		**683.6**
363	18.604	25.995	19.808	14.839	11.610	2.908	3.028	0.643	18.71	20.09	234.26		**685.4**
364	18.665	26.075	19.863	14.881	11.647	2.917	3.038	0.647	18.77	20.14	234.61		**687.2**
365	18.725	26.154	19.918	14.923	11.683	2.927	3.048	0.650	18.83	20.20	234.96		**689.0**
366	18.786	26.233	19.973	14.965	11.720	2.936	3.058	0.654	18.89	20.26	235.31		**690.8**
367	18.847	26.313	20.028	15.007	11.757	2.946	3.068	0.658	18.96	20.31	235.66		**692.6**
368	18.908	26.392	20.083	15.049	11.793	2.955	3.079	0.662	19.02	20.37	236.00		**694.4**
369	18.969	26.472	20.139	15.091	11.830	2.965	3.089	0.665	19.08	20.42	236.35		**696.2**
370	19.030	26.552	20.194	15.133	11.867	2.974	3.099	0.669	19.14	20.48	236.70		**698.0**
371	19.091	26.631	20.249	15.175	11.903	2.983	3.109	0.673	19.20	20.54	237.05		**699.8**
372	19.152	26.711	20.304	15.217	11.940	2.993	3.119	0.677	19.26	20.59	237.40		**701.6**
373	19.213	26.790	20.359	15.259	11.977	3.002	3.130	0.680	19.33	20.65	237.74		**703.4**
374	19.274	26.870	20.414	15.301	12.013	3.012	3.140	0.684	19.39	20.70	238.09		**705.2**
375	19.335	26.950	20.469	15.343	12.050	3.021	3.150	0.688	19.45	20.76	238.44		**707.0**
376	19.396	27.029	20.525	15.385	12.087	3.031	3.160	0.692	19.51	20.82	238.79		**708.8**
377	19.457	27.109	20.580	15.427	12.124	3.040	3.171	0.696	19.57	20.87	239.13		**710.6**
378	19.518	27.189	20.635	15.469	12.160	3.050	3.181	0.700	19.64	20.93	239.48		**712.4**
379	19.579	27.268	20.690	15.511	12.197	3.059	3.191	0.703	19.70	20.98	239.83		**714.2**
380	19.641	27.348	20.745	15.554	12.234	3.069	3.201	0.707	19.76	21.04	240.18		**716.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
381	19.702	27.428	20.800	15.596	12.271	3.078	3.212	0.711	19.82	21.10	240.52		**717.8**
382	19.763	27.507	20.855	15.638	12.308	3.088	3.222	0.715	19.89	21.15	240.87		**719.6**
383	19.825	27.587	20.911	15.680	12.345	3.097	3.232	0.719	19.95	21.21	241.22		**721.4**
384	19.886	27.667	20.966	15.722	12.382	3.107	3.242	0.723	20.01	21.26	241.56		**723.2**
385	19.947	27.747	21.021	15.764	12.418	3.116	3.253	0.727	20.07	21.32	241.91		**725.0**
386	20.009	27.827	21.076	15.806	12.455	3.126	3.263	0.731	20.13	21.38	242.26		**726.8**
387	20.070	27.907	21.131	15.849	12.492	3.135	3.273	0.735	20.19	21.43	242.60		**728.6**
388	20.132	27.986	21.186	15.891	12.529	3.145	3.284	0.738	20.26	21.49	242.95		**730.4**
389	20.193	28.066	21.241	15.933	12.566	3.154	3.294	0.742	20.32	21.54	243.29		**732.2**
390	20.255	28.146	21.297	15.975	12.603	3.164	3.304	0.746	20.38	21.60	243.64		**734.0**
391	20.317	28.226	21.352	16.017	12.640	3.173	3.315	0.750	20.44	21.66	243.99		**735.8**
392	20.378	28.306	21.407	16.059	12.677	3.183	3.325	0.754	20.50	21.71	244.33		**737.6**
393	20.440	28.386	21.462	16.102	12.714	3.192	3.335	0.758	20.57	21.77	244.68		**739.4**
394	20.502	28.466	21.517	16.144	12.751	3.202	3.346	0.762	20.63	21.82	245.02		**741.2**
395	20.563	28.546	21.572	16.186	12.788	3.212	3.356	0.766	20.69	21.88	245.37		**743.0**
396	20.625	28.626	21.627	16.228	12.825	3.221	3.366	0.770	20.75	21.94	245.71		**744.8**
397	20.687	28.706	21.683	16.270	12.862	3.231	3.377	0.774	20.81	21.99	246.06		**746.6**
398	20.748	28.786	21.738	16.313	12.899	3.240	3.387	0.778	20.88	22.05	246.40		**748.4**
399	20.810	28.866	21.793	16.355	12.937	3.250	3.397	0.782	20.94	22.10	246.75		**750.2**
400	20.872	28.946	21.848	16.397	12.974	3.259	3.408	0.787	21.00	22.16	247.09		**752.0**
401		29.026	21.903	16.439	13.011	3.269	3.418	0.791	21.06	22.22	247.44		**753.8**
402		29.106	21.958	16.482	13.048	3.278	3.428	0.795	21.12	22.27	247.78		**755.6**
403		29.186	22.014	16.524	13.085	3.288	3.439	0.799	21.19	22.33	248.13		**757.4**
404		29.266	22.069	16.566	13.122	3.298	3.449	0.803	21.25	22.38	248.47		**759.2**
405		29.346	22.124	16.608	13.159	3.307	3.460	0.807	21.31	22.44	248.81		**761.0**
406		29.427	22.179	16.651	13.197	3.317	3.470	0.811	21.37	22.50	249.16		**762.8**
407		29.507	22.234	16.693	13.234	3.326	3.480	0.815	21.43	22.55	249.50		**764.6**
408		29.587	22.289	16.735	13.271	3.336	3.491	0.819	21.50	22.61	249.85		**766.4**
409		29.667	22.345	16.778	13.308	3.346	3.501	0.824	21.56	22.66	250.19		**768.2**
410		29.747	22.400	16.820	13.346	3.355	3.512	0.828	21.62	22.72	250.53		**770.0**
411		29.827	22.455	16.862	13.383	3.365	3.522	0.832	21.68	22.78	250.88		**771.8**
412		29.908	22.510	16.904	13.420	3.374	3.533	0.836	21.75	22.83	251.22		**773.6**
413		29.988	22.565	16.947	13.457	3.384	3.543	0.840	21.81	22.89	251.56		**775.4**
414		30.068	22.620	16.989	13.495	3.394	3.553	0.844	21.87	22.95	251.91		**777.2**
415		30.148	22.676	17.031	13.532	3.403	3.564	0.849	21.93	23.00	252.25		**779.0**
416		30.229	22.731	17.074	13.569	3.413	3.574	0.853	22.00	23.06	252.59		**780.8**
417		30.309	22.786	17.116	13.607	3.423	3.585	0.857	22.06	23.12	252.93		**782.6**
418		30.389	22.841	17.158	13.644	3.432	3.595	0.861	22.12	23.18	253.28		**784.4**
419		30.470	22.896	17.201	13.682	3.442	3.606	0.866	22.19	23.23	253.62		**786.2**
420		30.550	22.952	17.243	13.719	3.451	3.616	0.870	22.25	23.29	253.96		**788.0**
421		30.630	23.007	17.285	13.756	3.461	3.627	0.874	22.31	23.35	254.30		**789.8**
422		30.711	23.062	17.328	13.794	3.471	3.637	0.878	22.38	23.40	254.65		**791.6**
423		30.791	23.117	17.370	13.831	3.480	3.648	0.883	22.44	23.46	254.99		**793.4**
424		30.871	23.172	17.413	13.869	3.490	3.658	0.887	22.50	23.52	255.33		**795.2**
425		30.952	23.228	17.455	13.906	3.500	3.669	0.891	22.56	23.57	255.67		**797.0**
426		31.032	23.283	17.497	13.944	3.509	3.679	0.896	22.63	23.63	256.01		**798.8**
427		31.112	23.338	17.540	13.981	3.519	3.690	0.900	22.69	23.69	256.35		**800.6**
428		31.193	23.393	17.582	14.019	3.529	3.700	0.904	22.75	23.74	256.70		**802.4**
429		31.273	23.449	17.624	14.056	3.538	3.711	0.909	22.82	23.80	257.04		**804.2**
430		31.354	23.504	17.667	14.094	3.548	3.721	0.913	22.88	23.86	257.38		**806.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
431		31.434	23.559	17.709	14.131	3.558	3.732	0.917	22.94	23.92	257.72		**807.8**
432		31.515	23.614	17.752	14.169	3.567	3.742	0.922	23.01	23.97	258.06		**809.6**
433		31.595	23.670	17.794	14.206	3.577	3.753	0.926	23.07	24.03	258.40		**811.4**
434		31.676	23.725	17.837	14.244	3.587	3.764	0.930	23.13	24.09	258.74		**813.2**
435		31.756	23.780	17.879	14.281	3.596	3.774	0.935	23.19	24.14	259.08		**815.0**
436		31.837	23.835	17.921	14.319	3.606	3.785	0.939	23.26	24.20	259.42		**816.8**
437		31.917	23.891	17.964	14.356	3.616	3.795	0.944	23.32	24.26	259.76		**818.6**
438		31.998	23.946	18.006	14.394	3.626	3.806	0.948	23.38	24.32	260.10		**820.4**
439		32.078	24.001	18.049	14.432	3.635	3.816	0.953	23.45	24.37	260.44		**822.2**
440		32.159	24.057	18.091	14.469	3.645	3.827	0.957	23.51	24.43	260.78		**824.0**
441		32.239	24.112	18.134	14.507	3.655	3.838	0.961	23.57	24.49	261.12		**825.8**
442		32.320	24.167	18.176	14.545	3.664	3.848	0.966	23.64	24.54	261.46		**827.6**
443		32.400	24.223	18.218	14.582	3.674	3.859	0.970	23.70	24.60	261.80		**829.4**
444		32.481	24.278	18.261	14.620	3.684	3.869	0.975	23.77	24.66	262.14		**831.2**
445		32.562	24.333	18.303	14.658	3.694	3.880	0.979	23.83	24.71	262.48		**833.0**
446		32.642	24.389	18.346	14.695	3.703	3.891	0.984	23.89	24.77	262.82		**834.8**
447		32.723	24.444	18.388	14.733	3.713	3.901	0.988	23.96	24.83	263.16		**836.6**
448		32.803	24.499	18.431	14.771	3.723	3.912	0.993	24.02	24.89	263.50		**838.4**
449		32.884	24.555	18.473	14.809	3.732	3.922	0.997	24.09	24.94	263.84		**840.2**
450		32.965	24.610	18.516	14.846	3.742	3.933	1.002	24.15	25.00	264.18		**842.0**
451		33.045	24.665	18.558	14.884	3.752	3.944	1.007	24.21	25.06	264.52		**843.8**
452		33.126	24.721	18.601	14.922	3.762	3.954	1.011	24.28	25.11	264.86		**845.6**
453		33.207	24.776	18.643	14.960	3.771	3.965	1.016	24.34	25.17	265.20		**847.4**
454		33.287	24.832	18.686	14.998	3.781	3.976	1.020	24.41	25.23	265.53		**849.2**
455		33.368	24.887	18.728	15.035	3.791	3.986	1.025	24.47	25.28	265.87		**851.0**
456		33.449	24.943	18.771	15.073	3.801	3.997	1.030	24.53	25.34	266.21		**852.8**
457		33.529	24.998	18.813	15.111	3.810	4.008	1.034	24.60	25.40	266.55		**854.6**
458		33.610	25.053	18.856	15.149	3.820	4.018	1.039	24.66	25.46	266.89		**856.4**
459		33.691	25.109	18.898	15.187	3.830	4.029	1.043	24.73	25.51	267.22		**858.2**
460		33.772	25.164	18.941	15.225	3.840	4.040	1.048	24.79	25.57	267.56		**860.0**
461		33.852	25.220	18.983	15.262	3.850	4.050	1.053	24.85	25.63	267.90		**861.8**
462		33.933	25.275	19.026	15.300	3.859	4.061	1.057	24.92	25.68	268.24		**863.6**
463		34.014	25.331	19.068	15.338	3.869	4.072	1.062	24.98	25.74	268.57		**865.4**
464		34.095	25.386	19.111	15.376	3.879	4.083	1.067	25.05	25.80	268.91		**867.2**
465		34.175	25.442	19.154	15.414	3.889	4.093	1.071	25.11	25.85	269.25		**869.0**
466		34.256	25.497	19.196	15.452	3.898	4.104	1.076	25.18	25.91	269.59		**870.8**
467		34.337	25.553	19.239	15.490	3.908	4.115	1.081	25.24	25.97	269.92		**872.6**
468		34.418	25.608	19.281	15.528	3.918	4.125	1.086	25.31	26.03	270.26		**874.4**
469		34.498	25.664	19.324	15.566	3.928	4.136	1.090	25.37	26.08	270.60		**876.2**
470		34.579	25.720	19.366	15.604	3.938	4.147	1.095	25.44	26.14	270.93		**878.0**
471		34.660	25.775	19.409	15.642	3.947	4.158	1.100	25.50	26.20	271.27		**879.8**
472		34.741	25.831	19.451	15.680	3.957	4.168	1.105	25.57	26.25	271.61		**881.6**
473		34.822	25.886	19.494	15.718	3.967	4.179	1.109	25.63	26.31	271.94		**883.4**
474		34.902	25.942	19.537	15.756	3.977	4.190	1.114	25.70	26.37	272.28		**885.2**
475		34.983	25.998	19.579	15.794	3.987	4.201	1.119	25.76	26.42	272.61		**887.0**
476		35.064	26.053	19.622	15.832	3.997	4.211	1.124	25.83	26.48	272.95		**888.8**
477		35.145	26.109	19.664	15.870	4.006	4.222	1.129	25.89	26.54	273.29		**890.6**
478		35.226	26.165	19.707	15.908	4.016	4.233	1.133	25.95	26.60	273.62		**892.4**
479		35.307	26.220	19.750	15.946	4.026	4.244	1.138	26.02	26.65	273.96		**894.2**
480		35.387	26.276	19.792	15.984	4.036	4.255	1.143	26.09	26.71	274.29		**896.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
481		35.468	26.332	19.835	16.022	4.046	4.265	1.148	26.16	26.77	274.63		**897.8**
482		35.549	26.387	19.877	16.060	4.056	4.276	1.153	26.22	26.82	274.96		**899.6**
483		35.630	26.443	19.920	16.099	4.065	4.287	1.158	26.29	26.88	275.30		**901.4**
484		35.711	26.499	19.962	16.137	4.075	4.298	1.163	26.35	26.94	275.63		**903.2**
485		35.792	26.555	20.005	16.175	4.085	4.309	1.167	26.42	26.99	275.97		**905.0**
486		35.873	26.610	20.048	16.213	4.095	4.319	1.172	26.49	27.05	276.30		**906.8**
487		35.954	26.666	20.090	16.251	4.105	4.330	1.177	26.55	27.11	276.64		**908.6**
488		36.034	26.722	20.133	16.289	4.115	4.341	1.182	26.62	27.17	276.97		**910.4**
489		36.115	26.778	20.175	16.327	4.125	4.352	1.187	26.68	27.22	277.31		**912.2**
490		36.196	26.834	20.218	16.366	4.134	4.363	1.192	26.75	27.28	277.64		**914.0**
491		36.277	26.889	20.261	16.404	4.144	4.373	1.197	26.82	27.34	277.98		**915.8**
492		36.358	26.945	20.303	16.442	4.154	4.384	1.202	26.88	27.39	278.31		**917.6**
493		36.439	27.001	20.346	16.480	4.164	4.395	1.207	26.95	27.45	278.64		**919.4**
494		36.520	27.057	20.389	16.518	4.174	4.406	1.212	27.01	27.51	278.98		**921.2**
495		36.601	27.113	20.431	16.557	4.184	4.417	1.217	27.08	27.56	279.31		**923.0**
496		36.682	27.169	20.474	16.595	4.194	4.428	1.222	27.15	27.62	279.64		**924.8**
497		36.763	27.225	20.516	16.633	4.204	4.439	1.227	27.21	27.68	279.98		**926.6**
498		36.843	27.281	20.559	16.671	4.213	4.449	1.232	27.28	27.74	280.31		**928.4**
499		36.924	27.337	20.602	16.710	4.223	4.460	1.237	27.34	27.79	280.64		**930.2**
500		37.005	27.393	20.644	16.748	4.233	4.471	1.242	27.41	27.85	280.98		**932.0**
501		37.086	27.449	20.687	16.786	4.243	4.482	1.247	27.48	27.91	281.31		**933.8**
502		37.167	27.505	20.730	16.824	4.253	4.493	1.252	27.54	27.97	281.64		**935.6**
503		37.248	27.561	20.772	16.863	4.263	4.504	1.257	27.61	28.02	281.98		**937.4**
504		37.329	27.617	20.815	16.901	4.273	4.515	1.262	27.68	28.08	282.31		**939.2**
505		37.410	27.673	20.857	16.939	4.283	4.526	1.267	27.74	28.14	282.64		**941.0**
506		37.491	27.729	20.900	16.978	4.293	4.537	1.272	27.81	28.20	282.97		**942.8**
507		37.572	27.785	20.943	17.016	4.303	4.548	1.277	27.88	28.26	283.31		**944.6**
508		37.653	27.841	20.985	17.054	4.313	4.558	1.282	27.95	28.31	283.64		**946.4**
509		37.734	27.897	21.028	17.093	4.323	4.569	1.288	28.01	28.37	283.97		**948.2**
510		37.815	27.953	21.071	17.131	4.332	4.580	1.293	28.08	28.43	284.30		**950.0**
511		37.896	28.010	21.113	17.169	4.342	4.591	1.298	28.15	28.49	284.63		**951.8**
512		37.977	28.066	21.156	17.208	4.352	4.602	1.303	28.21	28.55	284.97		**953.6**
513		38.058	28.122	21.199	17.246	4.362	4.613	1.308	28.28	28.60	285.30		**955.4**
514		38.139	28.178	21.241	17.285	4.372	4.624	1.313	28.35	28.66	285.63		**957.2**
515		38.220	28.234	21.284	17.323	4.382	4.635	1.318	28.41	28.72	285.96		**959.0**
516		38.300	28.291	21.326	17.361	4.392	4.646	1.324	28.48	28.78	286.29		**960.8**
517		38.381	28.347	21.369	17.400	4.402	4.657	1.329	28.55	28.84	286.62		**962.6**
518		38.462	28.403	21.412	17.438	4.412	4.668	1.334	28.62	28.89	286.95		**964.4**
519		38.543	28.460	21.454	17.477	4.422	4.679	1.339	28.68	28.95	287.29		**966.2**
520		38.624	28.516	21.497	17.515	4.432	4.690	1.344	28.75	29.01	287.62		**968.0**
521		38.705	28.572	21.540	17.554	4.442	4.701	1.350	28.82	29.07	287.95		**969.8**
522		38.786	28.629	21.582	17.592	4.452	4.712	1.355	28.89	29.13	288.28		**971.6**
523		38.867	28.685	21.625	17.630	4.462	4.723	1.360	28.95	29.18	288.61		**973.4**
524		38.948	28.741	21.668	17.669	4.472	4.734	1.365	29.02	29.24	288.94		**975.2**
525		39.029	28.798	21.710	17.707	4.482	4.745	1.371	29.09	29.30	289.27		**977.0**
526		39.110	28.854	21.753	17.746	4.492	4.756	1.376	29.16	29.36	289.60		**978.8**
527		39.191	28.911	21.796	17.784	4.502	4.767	1.381	29.23	29.42	289.93		**980.6**
528		39.272	28.967	21.838	17.823	4.512	4.778	1.387	29.29	29.47	290.26		**982.4**
529		39.353	29.024	21.881	17.861	4.522	4.789	1.392	29.36	29.53	290.59		**984.2**
530		39.434	29.080	21.924	17.900	4.532	4.800	1.397	29.43	29.59	290.92		**986.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
531		39.515	29.137	21.966	17.938	4.542	4.811	1.402	29.50	29.65	291.25		**987.8**
532		39.596	29.194	22.009	17.977	4.552	4.822	1.408	29.57	29.71	291.58		**989.6**
533		39.677	29.250	22.052	18.016	4.562	4.833	1.413	29.63	29.76	291.91		**991.4**
534		39.758	29.307	22.094	18.054	4.572	4.844	1.418	29.70	29.82	292.24		**993.2**
535		39.839	29.363	22.137	18.093	4.582	4.855	1.424	29.77	29.88	292.56		**995.0**
536		39.920	29.420	22.179	18.131	4.592	4.866	1.429	29.84	29.94	292.89		**996.8**
537		40.001	29.477	22.222	18.170	4.602	4.877	1.435	29.91	30.00	293.22		**998.6**
538		40.082	29.534	22.265	18.208	4.612	4.888	1.440	29.97	30.05	293.55		**1000.4**
539		40.163	29.590	22.307	18.247	4.622	4.899	1.445	30.04	30.11	293.88		**1002.2**
540		40.243	29.647	22.350	18.286	4.632	4.910	1.451	30.11	30.17	294.21		**1004.0**
541		40.324	29.704	22.393	18.324	4.642	4.922	1.456	30.18	30.23	294.54		**1005.8**
542		40.405	29.761	22.435	18.363	4.652	4.933	1.462	30.25	30.29	294.86		**1007.6**
543		40.486	29.818	22.478	18.401	4.662	4.944	1.467	30.32	30.34	295.19		**1009.4**
544		40.567	29.874	22.521	18.440	4.672	4.955	1.472	30.39	30.40	295.52		**1011.2**
545		40.648	29.931	22.563	18.479	4.682	4.966	1.478	30.45	30.46	295.85		**1013.0**
546		40.729	29.988	22.606	18.517	4.692	4.977	1.483	30.52	30.52	296.18		**1014.8**
547		40.810	30.045	22.649	18.556	4.702	4.988	1.489	30.59	30.58	296.50		**1016.6**
548		40.891	30.102	22.691	18.595	4.712	4.999	1.494	30.66	30.63	296.83		**1018.4**
549		40.972	30.159	22.734	18.633	4.722	5.010	1.500	30.73	30.69	297.16		**1020.2**
550		41.053	30.216	22.776	18.672	4.732	5.021	1.505	30.80	30.75	297.49		**1022.0**
551		41.134	30.273	22.819	18.711	4.742	5.033	1.511	30.87	30.81	297.81		**1023.8**
552		41.215	30.330	22.862	18.749	4.752	5.044	1.516	30.94	30.87	298.14		**1025.6**
553		41.296	30.387	22.904	18.788	4.762	5.055	1.522	31.01	30.92	298.47		**1027.4**
554		41.377	30.444	22.947	18.827	4.772	5.066	1.527	31.08	30.98	298.80		**1029.2**
555		41.457	30.502	22.990	18.865	4.782	5.077	1.533	31.14	31.04	299.12		**1031.0**
556		41.538	30.559	23.032	18.904	4.793	5.088	1.539	31.21	31.10	299.45		**1032.8**
557		41.619	30.616	23.075	18.943	4.803	5.099	1.544	31.28	31.16	299.78		**1034.6**
558		41.700	30.673	23.117	18.982	4.813	5.111	1.550	31.35	31.21	300.10		**1036.4**
559		41.781	30.730	23.160	19.020	4.823	5.122	1.555	31.42	31.27	300.43		**1038.2**
560		41.862	30.788	23.203	19.059	4.833	5.133	1.561	31.49	31.33	300.75		**1040.0**
561		41.943	30.845	23.245	19.098	4.843	5.144	1.566	31.56	31.39	301.08		**1041.8**
562		42.024	30.902	23.288	19.136	4.853	5.155	1.572	31.63	31.45	301.41		**1043.6**
563		42.105	30.960	23.331	19.175	4.863	5.166	1.578	31.70	31.50	301.73		**1045.4**
564		42.185	31.017	23.373	19.214	4.873	5.178	1.583	31.77	31.56	302.06		**1047.2**
565		42.266	31.074	23.416	19.253	4.883	5.189	1.589	31.84	31.62	302.38		**1049.0**
566		42.347	31.132	23.458	19.292	4.893	5.200	1.595	31.91	31.68	302.71		**1050.8**
567		42.428	31.189	23.501	19.330	4.904	5.211	1.600	31.98	31.74	303.03		**1052.6**
568		42.509	31.247	23.544	19.369	4.914	5.222	1.606	32.05	31.79	303.36		**1054.4**
569		42.590	31.304	23.586	19.408	4.924	5.234	1.612	32.12	31.85	303.69		**1056.2**
570		42.671	31.362	23.629	19.447	4.934	5.245	1.617	32.19	31.91	304.01		**1058.0**
571		42.751	31.419	23.671	19.485	4.944	5.256	1.623	32.26	31.97	304.34		**1059.8**
572		42.832	31.477	23.714	19.524	4.954	5.267	1.629	32.33	32.03	304.66		**1061.6**
573		42.913	31.535	23.757	19.563	4.964	5.279	1.634	32.40	32.08	304.98		**1063.4**
574		42.994	31.592	23.799	19.602	4.974	5.290	1.640	32.47	32.14	305.31		**1065.2**
575		43.075	31.650	23.842	19.641	4.984	5.301	1.646	32.54	32.20	305.63		**1067.0**
576		43.156	31.708	23.884	19.680	4.995	5.312	1.652	32.61	32.26	305.96		**1068.8**
577		43.236	31.766	23.927	19.718	5.005	5.323	1.657	32.68	32.32	306.28		**1070.6**
578		43.317	31.823	23.970	19.757	5.015	5.335	1.663	32.75	32.37	306.61		**1072.4**
579		43.398	31.881	24.012	19.796	5.025	5.346	1.669	32.82	32.43	306.93		**1074.2**
580		43.479	31.939	24.055	19.835	5.035	5.357	1.675	32.89	32.49	307.25		**1076.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
581		43.560	31.997	24.097	19.874	5.045	5.369	1.680	32.96	32.55	307.58		**1077.8**
582		43.640	32.055	24.140	19.913	5.055	5.380	1.686	33.03	32.61	307.90		**1079.6**
583		43.721	32.113	24.182	19.952	5.066	5.391	1.692	33.10	32.66	308.23		**1081.4**
584		43.802	32.171	24.225	19.990	5.076	5.402	1.698	33.17	32.72	308.55		**1083.2**
585		43.883	32.229	24.267	20.029	5.086	5.414	1.704	33.24	32.78	308.87		**1085.0**
586		43.963	32.287	24.310	20.068	5.096	5.425	1.709	33.32	32.84	309.20		**1086.8**
587		44.044	32.345	24.353	20.107	5.106	5.436	1.715	33.39	32.90	309.52		**1088.6**
588		44.125	32.403	24.395	20.146	5.116	5.448	1.721	33.46	32.96	309.84		**1090.4**
589		44.206	32.461	24.438	20.185	5.127	5.459	1.727	33.53	33.02	310.16		**1092.2**
590		44.286	32.519	24.480	20.224	5.137	5.470	1.733	33.60	33.08	310.49		**1094.0**
591		44.367	32.577	24.523	20.263	5.147	5.481	1.739	33.67	33.14	310.81		**1095.8**
592		44.448	32.636	24.565	20.302	5.157	5.493	1.745	33.74	33.20	311.13		**1097.6**
593		44.529	32.694	24.608	20.341	5.167	5.504	1.750	33.81	33.26	311.45		**1099.4**
594		44.609	32.752	24.650	20.379	5.177	5.515	1.756	33.88	33.32	311.78		**1101.2**
595		44.690	32.810	24.693	20.418	5.188	5.527	1.762	33.95	33.38	312.10		**1103.0**
596		44.771	32.869	24.735	20.457	5.198	5.538	1.768	34.03	33.43	312.42		**1104.8**
597		44.851	32.927	24.778	20.496	5.208	5.549	1.774	34.10	33.49	312.74		**1106.6**
598		44.932	32.985	24.820	20.535	5.218	5.561	1.780	34.17	33.55	313.06		**1108.4**
599		45.013	33.044	24.863	20.574	5.228	5.572	1.786	34.24	33.61	313.39		**1110.2**
600		45.093	33.102	24.905	20.613	5.239	5.583	1.792	34.31	33.67	313.71		**1112.0**
601		45.174	33.161	24.948	20.652	5.249	5.595	1.798		33.73	314.03		**1113.8**
602		45.255	33.219	24.990	20.691	5.259	5.606	1.804		33.79	314.35		**1115.6**
603		45.335	33.278	25.033	20.730	5.269	5.618	1.810		33.85	314.67		**1117.4**
604		45.416	33.337	25.075	20.769	5.280	5.629	1.816		33.91	314.99		**1119.2**
605		45.497	33.395	25.118	20.808	5.290	5.640	1.822		33.97	315.31		**1121.0**
606		45.577	33.454	25.160	20.847	5.300	5.652	1.828		34.02	315.64		**1122.8**
607		45.658	33.513	25.203	20.886	5.310	5.663	1.834		34.08	315.96		**1124.6**
608		45.738	33.571	25.245	20.925	5.320	5.674	1.840		34.14	316.28		**1126.4**
609		45.819	33.630	25.288	20.964	5.331	5.686	1.846		34.20	316.60		**1128.2**
610		45.900	33.689	25.330	21.003	5.341	5.697	1.852		34.26	316.92		**1130.0**
611		45.980	33.748	25.373	21.042	5.351	5.709	1.858		34.32	317.24		**1131.8**
612		46.061	33.807	25.415	21.081	5.361	5.720	1.864		34.38	317.56		**1133.6**
613		46.141	33.866	25.458	21.120	5.372	5.731	1.870		34.44	317.88		**1135.4**
614		46.222	33.925	25.500	21.159	5.382	5.743	1.876		34.50	318.20		**1137.2**
615		46.302	33.984	25.543	21.198	5.392	5.754	1.882		34.56	318.52		**1139.0**
616		46.383	34.043	25.585	21.237	5.402	5.766	1.888		34.61	318.84		**1140.8**
617		46.463	34.102	25.627	21.276	5.413	5.777	1.894		34.67	319.16		**1142.6**
618		46.544	34.161	25.670	21.315	5.423	5.789	1.901		34.73	319.48		**1144.4**
619		46.624	34.220	25.712	21.354	5.433	5.800	1.907		34.79	319.80		**1146.2**
620		46.705	34.279	25.755	21.393	5.443	5.812	1.913		34.85	320.12		**1148.0**
621		46.785	34.338	25.797	21.432	5.454	5.823	1.919		34.91	320.43		**1149.8**
622		46.866	34.397	25.840	21.471	5.464	5.834	1.925		34.97	320.75		**1151.6**
623		46.946	34.457	25.882	21.510	5.474	5.846	1.931		35.03	321.07		**1153.4**
624		47.027	34.516	25.924	21.549	5.485	5.857	1.937		35.09	321.39		**1155.2**
625		47.107	34.575	25.967	21.588	5.495	5.869	1.944		35.15	321.71		**1157.0**
626		47.188	34.635	26.009	21.628	5.505	5.880	1.950		35.20	322.03		**1158.8**
627		47.268	34.694	26.052	21.667	5.515	5.892	1.956		35.26	322.35		**1160.6**
628		47.349	34.754	26.094	21.706	5.526	5.903	1.962		35.32	322.67		**1162.4**
629		47.429	34.813	26.136	21.745	5.536	5.915	1.968		35.38	322.98		**1164.2**
630		47.509	34.873	26.179	21.784	5.546	5.926	1.975		35.44	323.30		**1166.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
631		47.590	34.932	26.221	21.823	5.557	5.938	1.981		35.50	323.62		**1167.8**
632		47.670	34.992	26.263	21.862	5.567	5.949	1.987		35.56	323.94		**1169.6**
633		47.751	35.051	26.306	21.901	5.577	5.961	1.993		35.62	324.26		**1171.4**
634		47.831	35.111	26.348	21.940	5.588	5.972	1.999		35.68	324.57		**1173.2**
635		47.911	35.171	26.390	21.979	5.598	5.984	2.006		35.74	324.89		**1175.0**
636		47.992	35.230	26.433	22.018	5.608	5.995	2.012		35.80	325.21		**1176.8**
637		48.072	35.290	26.475	22.058	5.618	6.007	2.018		35.86	325.53		**1178.6**
638		48.152	35.350	26.517	22.097	5.629	6.018	2.025		35.92	325.84		**1180.4**
639		48.233	35.410	26.560	22.136	5.639	6.030	2.031		35.98	326.16		**1182.2**
640		48.313	35.470	26.602	22.175	5.649	6.041	2.037		36.04	326.48		**1184.0**
641		48.393	35.530	26.644	22.214	5.660	6.053	2.043		36.10	326.79		**1185.8**
642		48.474	35.590	26.687	22.253	5.670	6.065	2.050		36.16	327.11		**1187.6**
643		48.554	35.650	26.729	22.292	5.680	6.076	2.056		36.22	327.43		**1189.4**
644		48.634	35.710	26.771	22.331	5.691	6.088	2.062		36.28	327.74		**1191.2**
645		48.715	35.770	26.814	22.370	5.701	6.099	2.069		36.34	328.06		**1193.0**
646		48.795	35.830	26.856	22.410	5.712	6.111	2.075		36.40	328.38		**1194.8**
647		48.875	35.890	26.898	22.449	5.722	6.122	2.082		36.46	328.69		**1196.6**
648		48.955	35.950	26.940	22.488	5.732	6.134	2.088		36.52	329.01		**1198.4**
649		49.035	36.010	26.983	22.527	5.743	6.146	2.094		36.58	329.32		**1200.2**
650		49.116	36.071	27.025	22.566	5.753	6.157	2.101		36.64	329.64		**1202.0**
651		49.196	36.131	27.067	22.605	5.763	6.169	2.107		36.70	329.96		**1203.8**
652		49.276	36.191	27.109	22.644	5.774	6.180	2.113		36.76	330.27		**1205.6**
653		49.356	36.252	27.152	22.684	5.784	6.192	2.120		36.82	330.59		**1207.4**
654		49.436	36.312	27.194	22.723	5.794	6.204	2.126		36.88	330.90		**1209.2**
655		49.517	36.373	27.236	22.762	5.805	6.215	2.133		36.95	331.22		**1211.0**
656		49.597	36.433	27.278	22.801	5.815	6.227	2.139		37.01	331.53		**1212.8**
657		49.677	36.494	27.320	22.840	5.826	6.238	2.146		37.07	331.85		**1214.6**
658		49.757	36.554	27.363	22.879	5.836	6.250	2.152		37.13	332.16		**1216.4**
659		49.837	36.615	27.405	22.919	5.846	6.262	2.158		37.19	332.48		**1218.2**
660		49.917	36.675	27.447	22.958	5.857	6.273	2.165		37.25	332.79		**1220.0**
661		49.997	36.736	27.489	22.997	5.867	6.285	2.171		37.30	333.11		**1221.8**
662		50.077	36.797	27.531	23.036	5.878	6.297	2.178		37.36	333.42		**1223.6**
663		50.157	36.858	27.574	23.075	5.888	6.308	2.184		37.42	333.74		**1225.4**
664		50.238	36.918	27.616	23.115	5.898	6.320	2.191		37.48	334.05		**1227.2**
665		50.318	36.979	27.658	23.154	5.909	6.332	2.197		37.55	334.36		**1229.0**
666		50.398	37.040	27.700	23.193	5.919	6.343	2.204		37.61	334.68		**1230.8**
667		50.478	37.101	27.742	23.232	5.930	6.355	2.210		37.67	334.99		**1232.6**
668		50.558	37.162	27.784	23.271	5.940	6.367	2.217		37.73	335.31		**1234.4**
669		50.638	37.223	27.826	23.311	5.950	6.378	2.224		37.79	335.62		**1236.2**
670		50.718	37.284	27.869	23.350	5.961	6.390	2.230		37.85	335.93		**1238.0**
671		50.798	37.345	27.911	23.389	5.971	6.402	2.237		37.91	336.25		**1239.8**
672		50.878	37.406	27.953	23.428	5.982	6.413	2.243		37.97	336.56		**1241.6**
673		50.958	37.467	27.995	23.467	5.992	6.425	2.250		38.04	336.87		**1243.4**
674		51.038	37.528	28.037	23.507	6.003	6.437	2.256		38.10	337.18		**1245.2**
675		51.118	37.590	28.079	23.546	6.013	6.448	2.263		38.16	337.50		**1247.0**
676		51.197	37.651	28.121	23.585	6.024	6.460	2.270		38.22	337.81		**1248.8**
677		51.277	37.712	28.163	23.624	6.034	6.472	2.276		38.28	338.12		**1250.6**
678		51.357	37.773	28.205	23.663	6.044	6.484	2.283		38.35	338.44		**1252.4**
679		51.437	37.835	28.247	23.703	6.055	6.495	2.289		38.41	338.75		**1254.2**
680		51.517	37.896	28.289	23.742	6.065	6.507	2.296		38.47	339.06		**1256.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
681		51.597	37.958	28.332	23.781	6.076	6.519	2.303		38.53	339.37		**1257.8**
682		51.677	38.019	28.374	23.820	6.086	6.531	2.309		38.59	339.69		**1259.6**
683		51.757	38.081	28.416	23.860	6.097	6.542	2.316		38.66	340.00		**1261.4**
684		51.837	38.142	28.458	23.899	6.107	6.554	2.323		38.72	340.31		**1263.2**
685		51.916	38.204	28.500	23.938	6.118	6.566	2.329		38.78	340.62		**1265.0**
686		51.996	38.265	28.542	23.977	6.128	6.578	2.336		38.84	340.93		**1266.8**
687		52.076	38.327	28.584	24.016	6.139	6.589	2.343		38.90	341.24		**1268.6**
688		52.156	38.389	28.626	24.056	6.149	6.601	2.350		38.97	341.56		**1270.4**
689		52.236	38.450	28.668	24.095	6.160	6.613	2.356		39.03	341.87		**1272.2**
690		52.315	38.512	28.710	24.134	6.170	6.625	2.363		39.09	342.18		**1274.0**
691		52.395	38.574	28.752	24.173	6.181	6.636	2.370		39.15	342.49		**1275.8**
692		52.475	38.636	28.794	24.213	6.191	6.648	2.376		39.22	342.80		**1277.6**
693		52.555	38.698	28.835	24.252	6.202	6.660	2.383		39.28	343.11		**1279.4**
694		52.634	38.760	28.877	24.291	6.212	6.672	2.390		39.34	343.42		**1281.2**
695		52.714	38.822	28.919	24.330	6.223	6.684	2.397		39.41	343.73		**1283.0**
696		52.794	38.884	28.961	24.370	6.233	6.695	2.403		39.47	344.04		**1284.8**
697		52.873	38.946	29.003	24.409	6.244	6.707	2.410		39.53	344.35		**1286.6**
698		52.953	39.008	29.045	24.448	6.254	6.719	2.417		39.59	344.66		**1288.4**
699		53.033	39.070	29.087	24.487	6.265	6.731	2.424		39.66	344.97		**1290.2**
700		53.112	39.132	29.129	24.527	6.275	6.743	2.431		39.72	345.28		**1292.0**
701		53.192	39.194	29.171	24.566	6.286	6.755	2.437		39.78	345.59		**1293.8**
702		53.272	39.256	29.213	24.605	6.296	6.766	2.444		39.85	345.90		**1295.6**
703		53.351	39.318	29.255	24.644	6.307	6.778	2.451		39.91	346.21		**1297.4**
704		53.431	39.381	29.297	24.684	6.317	6.790	2.458		39.97	346.52		**1299.2**
705		53.510	39.443	29.338	24.723	6.328	6.802	2.465		40.04	346.83		**1301.0**
706		53.590	39.505	29.380	24.762	6.338	6.814	2.472		40.10	347.14		**1302.8**
707		53.670	39.568	29.422	24.801	6.349	6.826	2.479		40.16	347.45		**1304.6**
708		53.749	39.630	29.464	24.841	6.360	6.838	2.485		40.22	347.76		**1306.4**
709		53.829	39.693	29.506	24.880	6.370	6.849	2.492		40.29	348.07		**1308.2**
710		53.908	39.755	29.548	24.919	6.381	6.861	2.499		40.35	348.38		**1310.0**
711		53.988	39.818	29.589	24.959	6.391	6.873	2.506		40.41	348.69		**1311.8**
712		54.067	39.880	29.631	24.998	6.402	6.885	2.513		40.48	348.99		**1313.6**
713		54.147	39.943	29.673	25.037	6.412	6.897	2.520		40.54	349.30		**1315.4**
714		54.226	40.005	29.715	25.076	6.423	6.909	2.527		40.60	349.61		**1317.2**
715		54.306	40.068	29.757	25.116	6.434	6.921	2.534		40.67	349.92		**1319.0**
716		54.385	40.131	29.798	25.155	6.444	6.933	2.541		40.73	350.23		**1320.8**
717		54.465	40.193	29.840	25.194	6.455	6.945	2.548		40.80	350.54		**1322.6**
718		54.544	40.256	29.882	25.233	6.465	6.956	2.555		40.86	350.84		**1324.4**
719		54.624	40.319	29.924	25.273	6.476	6.968	2.562		40.93	351.15		**1326.2**
720		54.703	40.382	29.965	25.312	6.486	6.980	2.569		40.98	351.46		**1328.0**
721		54.782	40.445	30.007	25.351	6.497	6.992	2.576		41.04	351.77		**1329.8**
722		54.862	40.508	30.049	25.391	6.508	7.004	2.583		41.11	352.08		**1331.6**
723		54.941	40.570	30.090	25.430	6.518	7.016	2.590		41.17	352.38		**1333.4**
724		55.021	40.633	30.132	25.469	6.529	7.028	2.597		41.23	352.69		**1335.2**
725		55.100	40.696	30.174	25.508	6.539	7.040	2.604		41.30	353.00		**1337.0**
726		55.179	40.759	30.216	25.548	6.550	7.052	2.611		41.36	353.30		**1338.8**
727		55.259	40.822	30.257	25.587	6.561	7.064	2.618		41.43	353.61		**1340.6**
728		55.338	40.886	30.299	25.626	6.571	7.076	2.625		41.49	353.92		**1342.4**
729		55.417	40.949	30.341	25.666	6.582	7.088	2.632		41.56	354.22		**1344.2**
730		55.497	41.012	30.382	25.705	6.593	7.100	2.639		41.62	354.53		**1346.0**

°C	Type T	Type E	Type J	Type K	Type N	Type S	Type R	Type B	Type U	Type L	Pt100	Ni100	°F
t90	Cu-CuNi mV	NiCr-CuNi mV	Fe-CuNi mV	NiCr-Ni mV	NiCrSi-NiSi mV	Pt10Rh-Pt mV	Pt13Rh-Pt mV	Pt30Rh-Pt6Rh mV	Cu-CuNi mV	Fe-CuNi mV	Ω	Ω	t90
731		55.576	41.075	30.424	25.744	6.603	7.112	2.646		41.69	354.84		**1347.8**
732		55.655	41.138	30.466	25.783	6.614	7.124	2.653		41.75	355.14		**1349.6**
733		55.734	41.201	30.507	25.823	6.624	7.136	2.660		41.82	355.45		**1351.4**
734		55.814	41.265	30.549	25.862	6.635	7.148	2.667		41.88	355.76		**1353.2**
735		55.893	41.328	30.590	25.901	6.646	7.160	2.674		41.95	356.06		**1355.0**
736		55.972	41.391	30.632	25.941	6.656	7.172	2.681		42.01	356.37		**1356.8**
737		56.051	41.455	30.674	25.980	6.667	7.184	2.688		42.08	356.67		**1358.6**
738		56.131	41.518	30.715	26.019	6.678	7.196	2.696		42.14	356.98		**1360.4**
739		56.210	41.581	30.757	26.058	6.688	7.208	2.703		42.21	357.28		**1362.2**
740		56.289	41.645	30.798	26.098	6.699	7.220	2.710		42.27	357.59		**1364.0**
741		56.368	41.708	30.840	26.137	6.710	7.232	2.717		42.34	357.90		**1365.8**
742		56.447	41.772	30.881	26.176	6.720	7.244	2.724		42.40	358.20		**1367.6**
743		56.526	41.835	30.923	26.216	6.731	7.256	2.731		42.47	358.51		**1369.4**
744		56.606	41.899	30.964	26.255	6.742	7.268	2.738		42.53	358.81		**1371.2**
745		56.685	41.962	31.006	26.294	6.752	7.280	2.746		42.60	359.12		**1373.0**
746		56.764	42.026	31.047	26.333	6.763	7.292	2.753		42.66	359.42		**1374.8**
747		56.843	42.090	31.089	26.373	6.774	7.304	2.760		42.73	359.72		**1376.6**
748		56.922	42.153	31.130	26.412	6.784	7.316	2.767		42.79	360.03		**1378.4**
749		57.001	42.217	31.172	26.451	6.795	7.328	2.775		42.86	360.33		**1380.2**
750		57.080	42.281	31.213	26.491	6.806	7.340	2.782		42.92	360.64		**1382.0**
751		57.159	42.344	31.255	26.530	6.817	7.352	2.789		42.99	360.94		**1383.8**
752		57.238	42.408	31.296	26.569	6.827	7.364	2.796		43.05	361.25		**1385.6**
753		57.317	42.472	31.338	26.608	6.838	7.376	2.803		43.12	361.55		**1387.4**
754		57.396	42.536	31.379	26.648	6.849	7.389	2.811		43.18	361.85		**1389.2**
755		57.475	42.599	31.421	26.687	6.859	7.401	2.818		43.25	362.16		**1391.0**
756		57.554	42.663	31.462	26.726	6.870	7.413	2.825		43.31	362.46		**1392.8**
757		57.633	42.727	31.504	26.766	6.881	7.425	2.833		43.38	362.76		**1394.6**
758		57.712	42.791	31.545	26.805	6.892	7.437	2.840		43.44	363.07		**1396.4**
759		57.791	42.855	31.586	26.844	6.902	7.449	2.847		43.51	363.37		**1398.2**
760		57.870	42.919	31.628	26.883	6.913	7.461	2.854		43.57	363.67		**1400.0**
761		57.949	42.983	31.669	26.923	6.924	7.473	2.862		43.64	363.98		**1401.8**
762		58.028	43.047	31.710	26.962	6.934	7.485	2.869		43.70	364.28		**1403.6**
763		58.107	43.111	31.752	27.001	6.945	7.498	2.876		43.77	364.58		**1405.4**
764		58.186	43.175	31.793	27.041	6.956	7.510	2.884		43.83	364.89		**1407.2**
765		58.265	43.239	31.834	27.080	6.967	7.522	2.891		43.90	365.19		**1409.0**
766		58.343	43.303	31.876	27.119	6.977	7.534	2.898		43.97	365.49		**1410.8**
767		58.422	43.367	31.917	27.158	6.988	7.546	2.906		44.03	365.79		**1412.6**
768		58.501	43.431	31.958	27.198	6.999	7.558	2.913		44.10	366.10		**1414.4**
769		58.580	43.495	32.000	27.237	7.010	7.570	2.921		44.16	366.40		**1416.2**
770		58.659	43.559	32.041	27.276	7.020	7.583	2.928		44.23	366.70		**1418.0**
771		58.738	43.624	32.082	27.316	7.031	7.595	2.935		44.30	367.00		**1419.8**
772		58.816	43.688	32.124	27.355	7.042	7.607	2.943		44.36	367.30		**1421.6**
773		58.895	43.752	32.165	27.394	7.053	7.619	2.950		44.43	367.60		**1423.4**
774		58.974	43.817	32.206	27.433	7.064	7.631	2.958		44.49	367.91		**1425.2**
775		59.053	43.881	32.247	27.473	7.074	7.644	2.965		44.56	368.21		**1427.0**
776		59.131	43.945	32.289	27.512	7.085	7.656	2.973		44.63	368.51		**1428.8**
777		59.210	44.010	32.330	27.551	7.096	7.668	2.980		44.69	368.81		**1430.6**
778		59.289	44.074	32.371	27.591	7.107	7.680	2.987		44.76	369.11		**1432.4**
779		59.367	44.139	32.412	27.630	7.117	7.692	2.995		44.82	369.41		**1434.2**
780		59.446	44.203	32.453	27.669	7.128	7.705	3.002		44.89	369.71		**1436.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
781		59.525	44.267	32.495	27.708	7.139	7.717	3.010		44.96	370.01		**1437.8**
782		59.604	44.332	32.536	27.748	7.150	7.729	3.017		45.02	370.31		**1439.6**
783		59.682	44.396	32.577	27.787	7.161	7.741	3.025		45.09	370.61		**1441.4**
784		59.761	44.461	32.618	27.826	7.171	7.753	3.032		45.15	370.91		**1443.2**
785		59.839	44.525	32.659	27.866	7.182	7.766	3.040		45.22	371.21		**1445.0**
786		59.918	44.590	32.700	27.905	7.193	7.778	3.047		45.29	371.51		**1446.8**
787		59.997	44.655	32.742	27.944	7.204	7.790	3.055		45.35	371.81		**1448.6**
788		60.075	44.719	32.783	27.983	7.215	7.802	3.062		45.42	372.11		**1450.4**
789		60.154	44.784	32.824	28.023	7.226	7.815	3.070		45.48	372.41		**1452.2**
790		60.232	44.848	32.865	28.062	7.236	7.827	3.078		45.55	372.71		**1454.0**
791		60.311	44.913	32.906	28.101	7.247	7.839	3.085		45.62	373.01		**1455.8**
792		60.390	44.977	32.947	28.140	7.258	7.852	3.093		45.68	373.31		**1457.6**
793		60.468	45.042	32.988	28.180	7.269	7.864	3.100		45.75	373.61		**1459.4**
794		60.547	45.107	33.029	28.219	7.280	7.876	3.108		45.82	373.91		**1461.2**
795		60.625	45.171	33.070	28.258	7.291	7.888	3.116		45.89	374.21		**1463.0**
796		60.704	45.236	33.111	28.297	7.302	7.901	3.123		45.95	374.51		**1464.8**
797		60.782	45.301	33.152	28.337	7.312	7.913	3.131		46.02	374.81		**1466.6**
798		60.860	45.365	33.193	28.376	7.323	7.925	3.138		46.09	375.11		**1468.4**
799		60.939	45.430	33.234	28.415	7.334	7.938	3.146		46.15	375.41		**1470.2**
800		61.017	45.494	33.275	28.455	7.345	7.950	3.154		46.22	375.70		**1472.0**
801		61.096	45.559	33.316	28.494	7.356	7.962	3.161		46.29	376.00		**1473.8**
802		61.174	45.624	33.357	28.533	7.367	7.974	3.169		46.35	376.30		**1475.6**
803		61.253	45.688	33.398	28.572	7.378	7.987	3.177		46.42	376.60		**1477.4**
804		61.331	45.753	33.439	28.612	7.388	7.999	3.184		46.49	376.90		**1479.2**
805		61.409	45.818	33.480	28.651	7.399	8.011	3.192		46.56	377.19		**1481.0**
806		61.488	45.882	33.521	28.690	7.410	8.024	3.200		46.62	377.49		**1482.8**
807		61.566	45.947	33.562	28.729	7.421	8.036	3.207		46.69	377.79		**1484.6**
808		61.644	46.011	33.603	28.769	7.432	8.048	3.215		46.76	378.09		**1486.4**
809		61.723	46.076	33.644	28.808	7.443	8.061	3.223		46.82	378.39		**1488.2**
810		61.801	46.141	33.685	28.847	7.454	8.073	3.230		46.89	378.68		**1490.0**
811		61.879	46.205	33.726	28.886	7.465	8.086	3.238		46.96	378.98		**1491.8**
812		61.958	46.270	33.767	28.926	7.476	8.098	3.246		47.03	379.28		**1493.6**
813		62.036	46.334	33.808	28.965	7.487	8.110	3.254		47.09	379.57		**1495.4**
814		62.114	46.399	33.848	29.004	7.497	8.123	3.261		47.16	379.87		**1497.2**
815		62.192	46.464	33.889	29.043	7.508	8.135	3.269		47.23	380.17		**1499.0**
816		62.271	46.528	33.930	29.083	7.519	8.147	3.277		47.30	380.46		**1500.8**
817		62.349	46.593	33.971	29.122	7.530	8.160	3.285		47.37	380.76		**1502.6**
818		62.427	46.657	34.012	29.161	7.541	8.172	3.292		47.43	381.06		**1504.4**
819		62.505	46.722	34.053	29.200	7.552	8.185	3.300		47.50	381.35		**1506.2**
820		62.583	46.786	34.093	29.239	7.563	8.197	3.308		47.57	381.65		**1508.0**
821		62.662	46.851	34.134	29.279	7.574	8.209	3.316		47.64	381.95		**1509.8**
822		62.740	46.915	34.175	29.318	7.585	8.222	3.324		47.71	382.24		**1511.6**
823		62.818	46.980	34.216	29.357	7.596	8.234	3.331		47.77	382.54		**1513.4**
824		62.896	47.044	34.257	29.396	7.607	8.247	3.339		47.84	382.83		**1515.2**
825		62.974	47.109	34.297	29.436	7.618	8.259	3.347		47.91	383.13		**1517.0**
826		63.052	47.173	34.338	29.475	7.629	8.272	3.355		47.98	383.42		**1518.8**
827		63.130	47.238	34.379	29.514	7.640	8.284	3.363		48.05	383.72		**1520.6**
828		63.208	47.302	34.420	29.553	7.651	8.296	3.371		48.11	384.01		**1522.4**
829		63.286	47.367	34.460	29.592	7.662	8.309	3.379		48.18	384.31		**1524.2**
830		63.364	47.431	34.501	29.632	7.673	8.321	3.386		48.25	384.60		**1526.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
831		63.442	47.495	34.542	29.671	7.684	8.334	3.394		48.32	384.90		**1527.8**
832		63.520	47.560	34.582	29.710	7.695	8.346	3.402		48.39	385.19		**1529.6**
833		63.598	47.624	34.623	29.749	7.706	8.359	3.410		48.46	385.49		**1531.4**
834		63.676	47.688	34.664	29.789	7.717	8.371	3.418		48.53	385.78		**1533.2**
835		63.754	47.753	34.704	29.828	7.728	8.384	3.426		48.60	386.08		**1535.0**
836		63.832	47.817	34.745	29.867	7.739	8.396	3.434		48.66	386.37		**1536.8**
837		63.910	47.881	34.786	29.906	7.750	8.409	3.442		48.73	386.67		**1538.6**
838		63.988	47.946	34.826	29.945	7.761	8.421	3.450		48.80	386.96		**1540.4**
839		64.066	48.010	34.867	29.985	7.772	8.434	3.458		48.87	387.25		**1542.2**
840		64.144	48.074	34.908	30.024	7.783	8.446	3.466		48.94	387.55		**1544.0**
841		64.222	48.138	34.948	30.063	7.794	8.459	3.474		49.01	387.84		**1545.8**
842		64.300	48.202	34.989	30.102	7.805	8.471	3.482		49.08	388.14		**1547.6**
843		64.377	48.267	35.029	30.141	7.816	8.484	3.490		49.15	388.43		**1549.4**
844		64.455	48.331	35.070	30.181	7.827	8.496	3.498		49.22	388.72		**1551.2**
845		64.533	48.395	35.110	30.220	7.838	8.509	3.506		49.29	389.02		**1553.0**
846		64.611	48.459	35.151	30.259	7.849	8.521	3.514		49.35	389.31		**1554.8**
847		64.689	48.523	35.192	30.298	7.860	8.534	3.522		49.42	389.60		**1556.6**
848		64.766	48.587	35.232	30.337	7.871	8.546	3.530		49.49	389.90		**1558.4**
849		64.844	48.651	35.273	30.376	7.882	8.559	3.538		49.56	390.19		**1560.2**
850		64.922	48.715	35.313	30.416	7.893	8.571	3.546		49.63	390.48		**1562.0**
851		65.000	48.779	35.354	30.455	7.904	8.584	3.554		49.70			**1563.8**
852		65.077	48.843	35.394	30.494	7.915	8.597	3.562		49.77			**1565.6**
853		65.155	48.907	35.435	30.533	7.926	8.609	3.570		49.84			**1567.4**
854		65.233	48.971	35.475	30.572	7.937	8.622	3.578		49.91			**1569.2**
855		65.310	49.034	35.516	30.611	7.948	8.634	3.586		49.98			**1571.0**
856		65.388	49.098	35.556	30.651	7.959	8.647	3.594		50.04			**1572.8**
857		65.465	49.162	35.596	30.690	7.970	8.659	3.602		50.11			**1574.6**
858		65.543	49.226	35.637	30.729	7.981	8.672	3.610		50.18			**1576.4**
859		65.621	49.290	35.677	30.768	7.992	8.685	3.618		50.25			**1578.2**
860		65.698	49.353	35.718	30.807	8.003	8.697	3.626		50.32			**1580.0**
861		65.776	49.417	35.758	30.846	8.014	8.710	3.634		50.39			**1581.8**
862		65.853	49.481	35.798	30.886	8.026	8.722	3.643		50.46			**1583.6**
863		65.931	49.544	35.839	30.925	8.037	8.735	3.651		50.53			**1585.4**
864		66.008	49.608	35.879	30.964	8.048	8.748	3.659		50.60			**1587.2**
865		66.086	49.672	35.920	31.003	8.059	8.760	3.667		50.67			**1589.0**
866		66.163	49.735	35.960	31.042	8.070	8.773	3.675		50.74			**1590.8**
867		66.241	49.799	36.000	31.081	8.081	8.785	3.683		50.81			**1592.6**
868		66.318	49.862	36.041	31.120	8.092	8.798	3.692		50.88			**1594.4**
869		66.396	49.926	36.081	31.160	8.103	8.811	3.700		50.95			**1596.2**
870		66.473	49.989	36.121	31.199	8.114	8.823	3.708		51.02			**1598.0**
871		66.550	50.052	36.162	31.238	8.125	8.836	3.716		51.09			**1599.8**
872		66.628	50.116	36.202	31.277	8.137	8.849	3.724		51.16			**1601.6**
873		66.705	50.179	36.242	31.316	8.148	8.861	3.732		51.23			**1603.4**
874		66.782	50.243	36.282	31.355	8.159	8.874	3.741		51.30			**1605.2**
875		66.860	50.306	36.323	31.394	8.170	8.887	3.749		51.37			**1607.0**
876		66.937	50.369	36.363	31.433	8.181	8.899	3.757		51.44			**1608.8**
877		67.014	50.432	36.403	31.473	8.192	8.912	3.765		51.51			**1610.6**
878		67.092	50.495	36.443	31.512	8.203	8.925	3.774		51.58			**1612.4**
879		67.169	50.559	36.484	31.551	8.214	8.937	3.782		51.65			**1614.2**
880		67.246	50.622	36.524	31.590	8.226	8.950	3.790		51.72			**1616.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
881		67.323	50.685	36.564	31.629	8.237	8.963	3.798		51.79			**1617.8**
882		67.400	50.748	36.604	31.668	8.248	8.975	3.807		51.86			**1619.6**
883		67.478	50.811	36.644	31.707	8.259	8.988	3.815		51.93			**1621.4**
884		67.555	50.874	36.685	31.746	8.270	9.001	3.823		52.00			**1623.2**
885		67.632	50.937	36.725	31.785	8.281	9.014	3.832		52.08			**1625.0**
886		67.709	51.000	36.765	31.824	8.293	9.026	3.840		52.15			**1626.8**
887		67.786	51.063	36.805	31.863	8.304	9.039	3.848		52.22			**1628.6**
888		67.863	51.126	36.845	31.903	8.315	9.052	3.857		52.29			**1630.4**
889		67.940	51.188	36.885	31.942	8.326	9.065	3.865		52.36			**1632.2**
890		68.017	51.251	36.925	31.981	8.337	9.077	3.873		52.43			**1634.0**
891		68.094	51.314	36.965	32.020	8.348	9.090	3.882		52.50			**1635.8**
892		68.171	51.377	37.006	32.059	8.360	9.103	3.890		52.57			**1637.6**
893		68.248	51.439	37.046	32.098	8.371	9.115	3.898		52.64			**1639.4**
894		68.325	51.502	37.086	32.137	8.382	9.128	3.907		52.71			**1641.2**
895		68.402	51.565	37.126	32.176	8.393	9.141	3.915		52.79			**1643.0**
896		68.479	51.627	37.166	32.215	8.404	9.154	3.923		52.86			**1644.8**
897		68.556	51.690	37.206	32.254	8.416	9.167	3.932		52.93			**1646.6**
898		68.633	51.752	37.246	32.293	8.427	9.179	3.940		53.00			**1648.4**
899		68.710	51.815	37.286	32.332	8.438	9.192	3.949		53.07			**1650.2**
900		68.787	51.877	37.326	32.371	8.449	9.205	3.957		53.14			**1652.0**
901		68.863	51.940	37.366	32.410	8.460	9.218	3.965					**1653.8**
902		68.940	52.002	37.406	32.449	8.472	9.230	3.974					**1655.6**
903		69.017	52.064	37.446	32.488	8.483	9.243	3.982					**1657.4**
904		69.094	52.127	37.486	32.527	8.494	9.256	3.991					**1659.2**
905		69.171	52.189	37.526	32.566	8.505	9.269	3.999					**1661.0**
906		69.247	52.251	37.566	32.605	8.517	9.282	4.008					**1662.8**
907		69.324	52.314	37.606	32.644	8.528	9.294	4.016					**1664.6**
908		69.401	52.376	37.646	32.683	8.539	9.307	4.024					**1666.4**
909		69.477	52.438	37.686	32.722	8.550	9.320	4.033					**1668.2**
910		69.554	52.500	37.725	32.761	8.562	9.333	4.041					**1670.0**
911		69.631	52.562	37.765	32.800	8.573	9.346	4.050					**1671.8**
912		69.707	52.624	37.805	32.839	8.584	9.359	4.058					**1673.6**
913		69.784	52.686	37.845	32.878	8.595	9.371	4.067					**1675.4**
914		69.860	52.748	37.885	32.917	8.607	9.384	4.075					**1677.2**
915		69.937	52.810	37.925	32.956	8.618	9.397	4.084					**1679.0**
916		70.013	52.872	37.965	32.995	8.629	9.410	4.093					**1680.8**
917		70.090	52.934	38.005	33.034	8.640	9.423	4.101					**1682.6**
918		70.166	52.996	38.044	33.073	8.652	9.436	4.110					**1684.4**
919		70.243	53.057	38.084	33.112	8.663	9.449	4.118					**1686.2**
920		70.319	53.119	38.124	33.151	8.674	9.462	4.127					**1688.0**
921		70.396	53.181	38.164	33.190	8.685	9.474	4.135					**1689.8**
922		70.472	53.243	38.204	33.229	8.697	9.487	4.144					**1691.6**
923		70.548	53.304	38.243	33.268	8.708	9.500	4.152					**1693.4**
924		70.625	53.366	38.283	33.307	8.719	9.513	4.161					**1695.2**
925		70.701	53.427	38.323	33.346	8.731	9.526	4.170					**1697.0**
926		70.777	53.489	38.363	33.385	8.742	9.539	4.178					**1698.8**
927		70.854	53.550	38.402	33.424	8.753	9.552	4.187					**1700.6**
928		70.930	53.612	38.442	33.463	8.765	9.565	4.195					**1702.4**
929		71.006	53.673	38.482	33.502	8.776	9.578	4.204					**1704.2**
930		71.082	53.735	38.522	33.541	8.787	9.591	4.213					**1706.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
931		71.159	53.796	38.561	33.580	8.798	9.603	4.221					**1707.8**
932		71.235	53.857	38.601	33.619	8.810	9.616	4.230					**1709.6**
933		71.311	53.919	38.641	33.658	8.821	9.629	4.239					**1711.4**
934		71.387	53.980	38.680	33.697	8.832	9.642	4.247					**1713.2**
935		71.463	54.041	38.720	33.736	8.844	9.655	4.256					**1715.0**
936		71.539	54.102	38.760	33.774	8.855	9.668	4.265					**1716.8**
937		71.615	54.164	38.799	33.813	8.866	9.681	4.273					**1718.6**
938		71.692	54.225	38.839	33.852	8.878	9.694	4.282					**1720.4**
939		71.768	54.286	38.878	33.891	8.889	9.707	4.291					**1722.2**
940		71.844	54.347	38.918	33.930	8.900	9.720	4.299					**1724.0**
941		71.920	54.408	38.958	33.969	8.912	9.733	4.308					**1725.8**
942		71.996	54.469	38.997	34.008	8.923	9.746	4.317					**1727.6**
943		72.072	54.530	39.037	34.047	8.935	9.759	4.326					**1729.4**
944		72.147	54.591	39.076	34.086	8.946	9.772	4.334					**1731.2**
945		72.223	54.652	39.116	34.124	8.957	9.785	4.343					**1733.0**
946		72.299	54.713	39.155	34.163	8.969	9.798	4.352					**1734.8**
947		72.375	54.773	39.195	34.202	8.980	9.811	4.360					**1736.6**
948		72.451	54.834	39.235	34.241	8.991	9.824	4.369					**1738.4**
949		72.527	54.895	39.274	34.280	9.003	9.837	4.378					**1740.2**
950		72.603	54.956	39.314	34.319	9.014	9.850	4.387					**1742.0**
951		72.678	55.016	39.353	34.358	9.025	9.863	4.396					**1743.8**
952		72.754	55.077	39.393	34.396	9.037	9.876	4.404					**1745.6**
953		72.830	55.138	39.432	34.435	9.048	9.889	4.413					**1747.4**
954		72.906	55.198	39.471	34.474	9.060	9.902	4.422					**1749.2**
955		72.981	55.259	39.511	34.513	9.071	9.915	4.431					**1751.0**
956		73.057	55.319	39.550	34.552	9.082	9.928	4.440					**1752.8**
957		73.133	55.380	39.590	34.591	9.094	9.941	4.448					**1754.6**
958		73.208	55.440	39.629	34.629	9.105	9.954	4.457					**1756.4**
959		73.284	55.501	39.669	34.668	9.117	9.967	4.466					**1758.2**
960		73.360	55.561	39.708	34.707	9.128	9.980	4.475					**1760.0**
961		73.435	55.622	39.747	34.746	9.139	9.993	4.484					**1761.8**
962		73.511	55.682	39.787	34.785	9.151	10.006	4.493					**1763.6**
963		73.586	55.742	39.826	34.823	9.162	10.019	4.501					**1765.4**
964		73.662	55.803	39.866	34.862	9.174	10.032	4.510					**1767.2**
965		73.738	55.863	39.905	34.901	9.185	10.046	4.519					**1769.0**
966		73.813	55.923	39.944	34.940	9.197	10.059	4.528					**1770.8**
967		73.889	55.983	39.984	34.979	9.208	10.072	4.537					**1772.6**
968		73.964	56.043	40.023	35.017	9.219	10.085	4.546					**1774.4**
969		74.040	56.104	40.062	35.056	9.231	10.098	4.555					**1776.2**
970		74.115	56.164	40.101	35.095	9.242	10.111	4.564					**1778.0**
971		74.190	56.224	40.141	35.134	9.254	10.124	4.573					**1779.8**
972		74.266	56.284	40.180	35.172	9.265	10.137	4.582					**1781.6**
973		74.341	56.344	40.219	35.211	9.277	10.150	4.591					**1783.4**
974		74.417	56.404	40.259	35.250	9.288	10.163	4.599					**1785.2**
975		74.492	56.464	40.298	35.289	9.300	10.177	4.608					**1787.0**
976		74.567	56.524	40.337	35.327	9.311	10.190	4.617					**1788.8**
977		74.643	56.584	40.376	35.366	9.323	10.203	4.626					**1790.6**
978		74.718	56.643	40.415	35.405	9.334	10.216	4.635					**1792.4**
979		74.793	56.703	40.455	35.444	9.345	10.229	4.644					**1794.2**
980		74.869	56.763	40.494	35.482	9.357	10.242	4.653					**1796.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
981		74.944	56.823	40.533	35.521	9.368	10.255	4.662					**1797.8**
982		75.019	56.883	40.572	35.560	9.380	10.269	4.671					**1799.6**
983		75.095	56.942	40.611	35.598	9.391	10.282	4.680					**1801.4**
984		75.170	57.002	40.651	35.637	9.403	10.295	4.689					**1803.2**
985		75.245	57.062	40.690	35.676	9.414	10.308	4.698					**1805.0**
986		75.320	57.121	40.729	35.714	9.426	10.321	4.707					**1806.8**
987		75.395	57.181	40.768	35.753	9.437	10.334	4.716					**1808.6**
988		75.471	57.240	40.807	35.792	9.449	10.348	4.725					**1810.4**
989		75.546	57.300	40.846	35.831	9.460	10.361	4.734					**1812.2**
990		75.621	57.360	40.885	35.869	9.472	10.374	4.743					**1814.0**
991		75.696	57.419	40.924	35.908	9.483	10.387	4.753					**1815.8**
992		75.771	57.479	40.963	35.946	9.495	10.400	4.762					**1817.6**
993		75.847	57.538	41.002	35.985	9.506	10.413	4.771					**1819.4**
994		75.922	57.597	41.042	36.024	9.518	10.427	4.780					**1821.2**
995		75.997	57.657	41.081	36.062	9.529	10.440	4.789					**1823.0**
996		76.072	57.716	41.120	36.101	9.541	10.453	4.798					**1824.8**
997		76.147	57.776	41.159	36.140	9.552	10.466	4.807					**1826.6**
998		76.223	57.835	41.198	36.178	9.564	10.480	4.816					**1828.4**
999		76.298	57.894	41.237	36.217	9.576	10.493	4.825					**1830.2**
1000		76.373	57.953	41.276	36.256	9.587	10.506	4.834					**1832.0**
1001			58.013	41.315	36.294	9.599	10.519	4.843					**1833.8**
1002			58.072	41.354	36.333	9.610	10.532	4.853					**1835.6**
1003			58.131	41.393	36.371	9.622	10.546	4.862					**1837.4**
1004			58.190	41.431	36.410	9.633	10.559	4.871					**1839.2**
1005			58.249	41.470	36.449	9.645	10.572	4.880					**1841.0**
1006			58.309	41.509	36.487	9.656	10.585	4.889					**1842.8**
1007			58.368	41.548	36.526	9.668	10.599	4.898					**1844.6**
1008			58.427	41.587	36.564	9.679	10.612	4.908					**1846.4**
1009			58.486	41.626	36.603	9.691	10.625	4.917					**1848.2**
1010			58.545	41.665	36.641	9.703	10.639	4.926					**1850.0**
1011			58.604	41.704	36.680	9.714	10.652	4.935					**1851.8**
1012			58.663	41.743	36.718	9.726	10.665	4.944					**1853.6**
1013			58.722	41.781	36.757	9.737	10.678	4.954					**1855.4**
1014			58.781	41.820	36.796	9.749	10.692	4.963					**1857.2**
1015			58.840	41.859	36.834	9.761	10.705	4.972					**1859.0**
1016			58.899	41.898	36.873	9.772	10.718	4.981					**1860.8**
1017			58.957	41.937	36.911	9.784	10.732	4.990					**1862.6**
1018			59.016	41.976	36.950	9.795	10.745	5.000					**1864.4**
1019			59.075	42.014	36.988	9.807	10.758	5.009					**1866.2**
1020			59.134	42.053	37.027	9.818	10.771	5.018					**1868.0**
1021			59.193	42.092	37.065	9.830	10.785	5.027					**1869.8**
1022			59.252	42.131	37.104	9.842	10.798	5.037					**1871.6**
1023			59.310	42.169	37.142	9.853	10.811	5.046					**1873.4**
1024			59.369	42.208	37.181	9.865	10.825	5.055					**1875.2**
1025			59.428	42.247	37.219	9.877	10.838	5.065					**1877.0**
1026			59.487	42.286	37.258	9.888	10.851	5.074					**1878.8**
1027			59.545	42.324	37.296	9.900	10.865	5.083					**1880.6**
1028			59.604	42.363	37.334	9.911	10.878	5.092					**1882.4**
1029			59.663	42.402	37.373	9.923	10.891	5.102					**1884.2**
1030			59.721	42.440	37.411	9.935	10.905	5.111					**1886.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1031			59.780	42.479	37.450	9.946	10.918	5.120					**1887.8**
1032			59.838	42.518	37.488	9.958	10.932	5.130					**1889.6**
1033			59.897	42.556	37.527	9.970	10.945	5.139					**1891.4**
1034			59.956	42.595	37.565	9.981	10.958	5.148					**1893.2**
1035			60.014	42.633	37.603	9.993	10.972	5.158					**1895.0**
1036			60.073	42.672	37.642	10.005	10.985	5.167					**1896.8**
1037			60.131	42.711	37.680	10.016	10.998	5.176					**1898.6**
1038			60.190	42.749	37.719	10.028	11.012	5.186					**1900.4**
1039			60.248	42.788	37.757	10.040	11.025	5.195					**1902.2**
1040			60.307	42.826	37.795	10.051	11.039	5.205					**1904.0**
1041			60.365	42.865	37.834	10.063	11.052	5.214					**1905.8**
1042			60.423	42.903	37.872	10.075	11.065	5.223					**1907.6**
1043			60.482	42.942	37.911	10.086	11.079	5.233					**1909.4**
1044			60.540	42.980	37.949	10.098	11.092	5.242					**1911.2**
1045			60.599	43.019	37.987	10.110	11.106	5.252					**1913.0**
1046			60.657	43.057	38.026	10.121	11.119	5.261					**1914.8**
1047			60.715	43.096	38.064	10.133	11.133	5.270					**1916.6**
1048			60.774	43.134	38.102	10.145	11.146	5.280					**1918.4**
1049			60.832	43.173	38.141	10.156	11.159	5.289					**1920.2**
1050			60.890	43.211	38.179	10.168	11.173	5.299					**1922.0**
1051			60.949	43.250	38.217	10.180	11.186	5.308					**1923.8**
1052			61.007	43.288	38.256	10.191	11.200	5.318					**1925.6**
1053			61.065	43.327	38.294	10.203	11.213	5.327					**1927.4**
1054			61.123	43.365	38.332	10.215	11.227	5.337					**1929.2**
1055			61.182	43.403	38.370	10.227	11.240	5.346					**1931.0**
1056			61.240	43.442	38.409	10.238	11.254	5.356					**1932.8**
1057			61.298	43.480	38.447	10.250	11.267	5.365					**1934.6**
1058			61.356	43.518	38.485	10.262	11.280	5.375					**1936.4**
1059			61.415	43.557	38.524	10.273	11.294	5.384					**1938.2**
1060			61.473	43.595	38.562	10.285	11.307	5.394					**1940.0**
1061			61.531	43.633	38.600	10.297	11.321	5.403					**1941.8**
1062			61.589	43.672	38.638	10.309	11.334	5.413					**1943.6**
1063			61.647	43.710	38.677	10.320	11.348	5.422					**1945.4**
1064			61.705	43.748	38.715	10.332	11.361	5.432					**1947.2**
1065			61.763	43.787	38.753	10.344	11.375	5.441					**1949.0**
1066			61.822	43.825	38.791	10.356	11.388	5.451					**1950.8**
1067			61.880	43.863	38.829	10.367	11.402	5.460					**1952.6**
1068			61.938	43.901	38.868	10.379	11.415	5.470					**1954.4**
1069			61.996	43.940	38.906	10.391	11.429	5.480					**1956.2**
1070			62.054	43.978	38.944	10.403	11.442	5.489					**1958.0**
1071			62.112	44.016	38.982	10.414	11.456	5.499					**1959.8**
1072			62.170	44.054	39.020	10.426	11.469	5.508					**1961.6**
1073			62.228	44.092	39.059	10.438	11.483	5.518					**1963.4**
1074			62.286	44.130	39.097	10.450	11.496	5.528					**1965.2**
1075			62.344	44.169	39.135	10.461	11.510	5.537					**1967.0**
1076			62.402	44.207	39.173	10.473	11.524	5.547					**1968.8**
1077			62.460	44.245	39.211	10.485	11.537	5.556					**1970.6**
1078			62.518	44.283	39.249	10.497	11.551	5.566					**1972.4**
1079			62.576	44.321	39.287	10.509	11.564	5.576					**1974.2**
1080			62.634	44.359	39.326	10.520	11.578	5.585					**1976.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1081			62.692	44.397	39.364	10.532	11.591	5.595					**1977.8**
1082			62.750	44.435	39.402	10.544	11.605	5.605					**1979.6**
1083			62.808	44.473	39.440	10.556	11.618	5.614					**1981.4**
1084			62.866	44.512	39.478	10.567	11.632	5.624					**1983.2**
1085			62.924	44.550	39.516	10.579	11.646	5.634					**1985.0**
1086			62.982	44.588	39.554	10.591	11.659	5.643					**1986.8**
1087			63.040	44.626	39.592	10.603	11.673	5.653					**1988.6**
1088			63.098	44.664	39.630	10.615	11.686	5.663					**1990.4**
1089			63.156	44.702	39.668	10.626	11.700	5.672					**1992.2**
1090			63.214	44.740	39.706	10.638	11.714	5.682					**1994.0**
1091			63.271	44.778	39.744	10.650	11.727	5.692					**1995.8**
1092			63.329	44.816	39.783	10.662	11.741	5.702					**1997.6**
1093			63.387	44.853	39.821	10.674	11.754	5.711					**1999.4**
1094			63.445	44.891	39.859	10.686	11.768	5.721					**2001.2**
1095			63.503	44.929	39.897	10.697	11.782	5.731					**2003.0**
1096			63.561	44.967	39.935	10.709	11.795	5.740					**2004.8**
1097			63.619	45.005	39.973	10.721	11.809	5.750					**2006.6**
1098			63.677	45.043	40.011	10.733	11.822	5.760					**2008.4**
1099			63.734	45.081	40.049	10.745	11.836	5.770					**2010.2**
1100			63.792	45.119	40.087	10.757	11.850	5.780					**2012.0**
1101			63.850	45.157	40.125	10.768	11.863	5.789					**2013.8**
1102			63.908	45.194	40.163	10.780	11.877	5.799					**2015.6**
1103			63.966	45.232	40.201	10.792	11.891	5.809					**2017.4**
1104			64.024	45.270	40.238	10.804	11.904	5.819					**2019.2**
1105			64.081	45.308	40.276	10.816	11.918	5.828					**2021.0**
1106			64.139	45.346	40.314	10.828	11.931	5.838					**2022.8**
1107			64.197	45.383	40.352	10.839	11.945	5.848					**2024.6**
1108			64.255	45.421	40.390	10.851	11.959	5.858					**2026.4**
1109			64.313	45.459	40.428	10.863	11.972	5.868					**2028.2**
1110			64.370	45.497	40.466	10.875	11.986	5.878					**2030.0**
1111			64.428	45.534	40.504	10.887	12.000	5.887					**2031.8**
1112			64.486	45.572	40.542	10.899	12.013	5.897					**2033.6**
1113			64.544	45.610	40.580	10.911	12.027	5.907					**2035.4**
1114			64.602	45.647	40.618	10.922	12.041	5.917					**2037.2**
1115			64.659	45.685	40.655	10.934	12.054	5.927					**2039.0**
1116			64.717	45.723	40.693	10.946	12.068	5.937					**2040.8**
1117			64.775	45.760	40.731	10.958	12.082	5.947					**2042.6**
1118			64.833	45.798	40.769	10.970	12.096	5.956					**2044.4**
1119			64.890	45.836	40.807	10.982	12.109	5.966					**2046.2**
1120			64.948	45.873	40.845	10.994	12.123	5.976					**2048.0**
1121			65.006	45.911	40.883	11.006	12.137	5.986					**2049.8**
1122			65.064	45.948	40.920	11.017	12.150	5.996					**2051.6**
1123			65.121	45.986	40.958	11.029	12.164	6.006					**2053.4**
1124			65.179	46.024	40.996	11.041	12.178	6.016					**2055.2**
1125			65.237	46.061	41.034	11.053	12.191	6.026					**2057.0**
1126			65.295	46.099	41.072	11.065	12.205	6.036					**2058.8**
1127			65.352	46.136	41.109	11.077	12.219	6.046					**2060.6**
1128			65.410	46.174	41.147	11.089	12.233	6.055					**2062.4**
1129			65.468	46.211	41.185	11.101	12.246	6.065					**2064.2**
1130			65.525	46.249	41.223	11.113	12.260	6.075					**2066.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1131			65.583	46.286	41.260	11.125	12.274	6.085					**2067.8**
1132			65.641	46.324	41.298	11.136	12.288	6.095					**2069.6**
1133			65.699	46.361	41.336	11.148	12.301	6.105					**2071.4**
1134			65.756	46.398	41.374	11.160	12.315	6.115					**2073.2**
1135			65.814	46.436	41.411	11.172	12.329	6.125					**2075.0**
1136			65.872	46.473	41.449	11.184	12.342	6.135					**2076.8**
1137			65.929	46.511	41.487	11.196	12.356	6.145					**2078.6**
1138			65.987	46.548	41.525	11.208	12.370	6.155					**2080.4**
1139			66.045	46.585	41.562	11.220	12.384	6.165					**2082.2**
1140			66.102	46.623	41.600	11.232	12.397	6.175					**2084.0**
1141			66.160	46.660	41.638	11.244	12.411	6.185					**2085.8**
1142			66.218	46.697	41.675	11.256	12.425	6.195					**2087.6**
1143			66.275	46.735	41.713	11.268	12.439	6.205					**2089.4**
1144			66.333	46.772	41.751	11.280	12.453	6.215					**2091.2**
1145			66.391	46.809	41.788	11.291	12.466	6.225					**2093.0**
1146			66.448	46.847	41.826	11.303	12.480	6.235					**2094.8**
1147			66.506	46.884	41.864	11.315	12.494	6.245					**2096.6**
1148			66.564	46.921	41.901	11.327	12.508	6.256					**2098.4**
1149			66.621	46.958	41.939	11.339	12.521	6.266					**2100.2**
1150			66.679	46.995	41.976	11.351	12.535	6.276					**2102.0**
1151			66.737	47.033	42.014	11.363	12.549	6.286					**2103.8**
1152			66.794	47.070	42.052	11.375	12.563	6.296					**2105.6**
1153			66.852	47.107	42.089	11.387	12.577	6.306					**2107.4**
1154			66.910	47.144	42.127	11.399	12.590	6.316					**2109.2**
1155			66.967	47.181	42.164	11.411	12.604	6.326					**2111.0**
1156			67.025	47.218	42.202	11.423	12.618	6.336					**2112.8**
1157			67.082	47.256	42.239	11.435	12.632	6.346					**2114.6**
1158			67.140	47.293	42.277	11.447	12.646	6.356					**2116.4**
1159			67.198	47.330	42.314	11.459	12.659	6.367					**2118.2**
1160			67.255	47.367	42.352	11.471	12.673	6.377					**2120.0**
1161			67.313	47.404	42.390	11.483	12.687	6.387					**2121.8**
1162			67.370	47.441	42.427	11.495	12.701	6.397					**2123.6**
1163			67.428	47.478	42.465	11.507	12.715	6.407					**2125.4**
1164			67.486	47.515	42.502	11.519	12.729	6.417					**2127.2**
1165			67.543	47.552	42.540	11.531	12.742	6.427					**2129.0**
1166			67.601	47.589	42.577	11.542	12.756	6.438					**2130.8**
1167			67.658	47.626	42.614	11.554	12.770	6.448					**2132.6**
1168			67.716	47.663	42.652	11.566	12.784	6.458					**2134.4**
1169			67.773	47.700	42.689	11.578	12.798	6.468					**2136.2**
1170			67.831	47.737	42.727	11.590	12.812	6.478					**2138.0**
1171			67.888	47.774	42.764	11.602	12.825	6.488					**2139.8**
1172			67.946	47.811	42.802	11.614	12.839	6.499					**2141.6**
1173			68.003	47.848	42.839	11.626	12.853	6.509					**2143.4**
1174			68.061	47.884	42.877	11.638	12.867	6.519					**2145.2**
1175			68.119	47.921	42.914	11.650	12.881	6.529					**2147.0**
1176			68.176	47.958	42.951	11.662	12.895	6.539					**2148.8**
1177			68.234	47.995	42.989	11.674	12.909	6.550					**2150.6**
1178			68.291	48.032	43.026	11.686	12.922	6.560					**2152.4**
1179			68.348	48.069	43.064	11.698	12.936	6.570					**2154.2**
1180			68.406	48.105	43.101	11.710	12.950	6.580					**2156.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1181			68.463	48.142	43.138	11.722	12.964	6.591					**2157.8**
1182			68.521	48.179	43.176	11.734	12.978	6.601					**2159.6**
1183			68.578	48.216	43.213	11.746	12.992	6.611					**2161.4**
1184			68.636	48.252	43.250	11.758	13.006	6.621					**2163.2**
1185			68.693	48.289	43.288	11.770	13.019	6.632					**2165.0**
1186			68.751	48.326	43.325	11.782	13.033	6.642					**2166.8**
1187			68.808	48.363	43.362	11.794	13.047	6.652					**2168.6**
1188			68.865	48.399	43.399	11.806	13.061	6.663					**2170.4**
1189			68.923	48.436	43.437	11.818	13.075	6.673					**2172.2**
1190			68.980	48.473	43.474	11.830	13.089	6.683					**2174.0**
1191			69.037	48.509	43.511	11.842	13.103	6.693					**2175.8**
1192			69.095	48.546	43.549	11.854	13.117	6.704					**2177.6**
1193			69.152	48.582	43.586	11.866	13.131	6.714					**2179.4**
1194			69.209	48.619	43.623	11.878	13.145	6.724					**2181.2**
1195			69.267	48.656	43.660	11.890	13.158	6.735					**2183.0**
1196			69.324	48.692	43.698	11.902	13.172	6.745					**2184.8**
1197			69.381	48.729	43.735	11.914	13.186	6.755					**2186.6**
1198			69.439	48.765	43.772	11.926	13.200	6.766					**2188.4**
1199			69.496	48.802	43.809	11.939	13.214	6.776					**2190.2**
1200			69.553	48.838	43.846	11.951	13.228	6.786					**2192.0**
1201				48.875	43.884	11.963	13.242	6.797					**2193.8**
1202				48.911	43.921	11.975	13.256	6.807					**2195.6**
1203				48.948	43.958	11.987	13.270	6.818					**2197.4**
1204				48.984	43.995	11.999	13.284	6.828					**2199.2**
1205				49.021	44.032	12.011	13.298	6.838					**2201.0**
1206				49.057	44.069	12.023	13.311	6.849					**2202.8**
1207				49.093	44.106	12.035	13.325	6.859					**2204.6**
1208				49.130	44.144	12.047	13.339	6.869					**2206.4**
1209				49.166	44.181	12.059	13.353	6.880					**2208.2**
1210				49.202	44.218	12.071	13.367	6.890					**2210.0**
1211				49.239	44.255	12.083	13.381	6.901					**2211.8**
1212				49.275	44.292	12.095	13.395	6.911					**2213.6**
1213				49.311	44.329	12.107	13.409	6.922					**2215.4**
1214				49.348	44.366	12.119	13.423	6.932					**2217.2**
1215				49.384	44.403	12.131	13.437	6.942					**2219.0**
1216				49.420	44.440	12.143	13.451	6.953					**2220.8**
1217				49.456	44.477	12.155	13.465	6.963					**2222.6**
1218				49.493	44.514	12.167	13.479	6.974					**2224.4**
1219				49.529	44.551	12.179	13.493	6.984					**2226.2**
1220				49.565	44.588	12.191	13.507	6.995					**2228.0**
1221				49.601	44.625	12.203	13.521	7.005					**2229.8**
1222				49.637	44.662	12.216	13.535	7.016					**2231.6**
1223				49.674	44.699	12.228	13.549	7.026					**2233.4**
1224				49.710	44.736	12.240	13.563	7.037					**2235.2**
1225				49.746	44.773	12.252	13.577	7.047					**2237.0**
1226				49.782	44.810	12.264	13.590	7.058					**2238.8**
1227				49.818	44.847	12.276	13.604	7.068					**2240.6**
1228				49.854	44.884	12.288	13.618	7.079					**2242.4**
1229				49.890	44.921	12.300	13.632	7.089					**2244.2**
1230				49.926	44.958	12.312	13.646	7.100					**2246.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1231				49.962	44.995	12.324	13.660	7.110					**2247.8**
1232				49.998	45.032	12.336	13.674	7.121					**2249.6**
1233				50.034	45.069	12.348	13.688	7.131					**2251.4**
1234				50.070	45.105	12.360	13.702	7.142					**2253.2**
1235				50.106	45.142	12.372	13.716	7.152					**2255.0**
1236				50.142	45.179	12.384	13.730	7.163					**2256.8**
1237				50.178	45.216	12.397	13.744	7.173					**2258.6**
1238				50.214	45.253	12.409	13.758	7.184					**2260.4**
1239				50.250	45.290	12.421	13.772	7.194					**2262.2**
1240				50.286	45.326	12.433	13.786	7.205					**2264.0**
1241				50.322	45.363	12.445	13.800	7.216					**2265.8**
1242				50.358	45.400	12.457	13.814	7.226					**2267.6**
1243				50.393	45.437	12.469	13.828	7.237					**2269.4**
1244				50.429	45.474	12.481	13.842	7.247					**2271.2**
1245				50.465	45.510	12.493	13.856	7.258					**2273.0**
1246				50.501	45.547	12.505	13.870	7.269					**2274.8**
1247				50.537	45.584	12.517	13.884	7.279					**2276.6**
1248				50.572	45.621	12.529	13.898	7.290					**2278.4**
1249				50.608	45.657	12.542	13.912	7.300					**2280.2**
1250				50.644	45.694	12.554	13.926	7.311					**2282.0**
1251				50.680	45.731	12.566	13.940	7.322					**2283.8**
1252				50.715	45.767	12.578	13.954	7.332					**2285.6**
1253				50.751	45.804	12.590	13.968	7.343					**2287.4**
1254				50.787	45.841	12.602	13.982	7.353					**2289.2**
1255				50.822	45.877	12.614	13.996	7.364					**2291.0**
1256				50.858	45.914	12.626	14.010	7.375					**2292.8**
1257				50.894	45.951	12.638	14.024	7.385					**2294.6**
1258				50.929	45.987	12.650	14.038	7.396					**2296.4**
1259				50.965	46.024	12.662	14.052	7.407					**2298.2**
1260				51.000	46.060	12.675	14.066	7.417					**2300.0**
1261				51.036	46.097	12.687	14.081	7.428					**2301.8**
1262				51.071	46.133	12.699	14.095	7.439					**2303.6**
1263				51.107	46.170	12.711	14.109	7.449					**2305.4**
1264				51.142	46.207	12.723	14.123	7.460					**2307.2**
1265				51.178	46.243	12.735	14.137	7.471					**2309.0**
1266				51.213	46.280	12.747	14.151	7.482					**2310.8**
1267				51.249	46.316	12.759	14.165	7.492					**2312.6**
1268				51.284	46.353	12.771	14.179	7.503					**2314.4**
1269				51.320	46.389	12.783	14.193	7.514					**2316.2**
1270				51.355	46.425	12.796	14.207	7.524					**2318.0**
1271				51.391	46.462	12.808	14.221	7.535					**2319.8**
1272				51.426	46.498	12.820	14.235	7.546					**2321.6**
1273				51.461	46.535	12.832	14.249	7.557					**2323.4**
1274				51.497	46.571	12.844	14.263	7.567					**2325.2**
1275				51.532	46.608	12.856	14.277	7.578					**2327.0**
1276				51.567	46.644	12.868	14.291	7.589					**2328.8**
1277				51.603	46.680	12.880	14.305	7.600					**2330.6**
1278				51.638	46.717	12.892	14.319	7.610					**2332.4**
1279				51.673	46.753	12.905	14.333	7.621					**2334.2**
1280				51.708	46.789	12.917	14.347	7.632					**2336.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1281				51.744	46.826	12.929	14.361	7.643					**2337.8**
1282				51.779	46.862	12.941	14.375	7.653					**2339.6**
1283				51.814	46.898	12.953	14.390	7.664					**2341.4**
1284				51.849	46.935	12.965	14.404	7.675					**2343.2**
1285				51.885	46.971	12.977	14.418	7.686					**2345.0**
1286				51.920	47.007	12.989	14.432	7.697					**2346.8**
1287				51.955	47.043	13.001	14.446	7.707					**2348.6**
1288				51.990	47.079	13.014	14.460	7.718					**2350.4**
1289				52.025	47.116	13.026	14.474	7.729					**2352.2**
1290				52.060	47.152	13.038	14.488	7.740					**2354.0**
1291				52.095	47.188	13.050	14.502	7.751					**2355.8**
1292				52.130	47.224	13.062	14.516	7.761					**2357.6**
1293				52.165	47.260	13.074	14.530	7.772					**2359.4**
1294				52.200	47.296	13.086	14.544	7.783					**2361.2**
1295				52.235	47.333	13.098	14.558	7.794					**2363.0**
1296				52.270	47.369	13.111	14.572	7.805					**2364.8**
1297				52.305	47.405	13.123	14.586	7.816					**2366.6**
1298				52.340	47.441	13.135	14.601	7.827					**2368.4**
1299				52.375	47.477	13.147	14.615	7.837					**2370.2**
1300				52.410	47.513	13.159	14.629	7.848					**2372.0**
1301				52.445		13.171	14.643	7.859					**2373.8**
1302				52.480		13.183	14.657	7.870					**2375.6**
1303				52.515		13.195	14.671	7.881					**2377.4**
1304				52.550		13.208	14.685	7.892					**2379.2**
1305				52.585		13.220	14.699	7.903					**2381.0**
1306				52.620		13.232	14.713	7.914					**2382.8**
1397				52.654		13.244	14.727	7.924					**2384.6**
1308				52.689		13.256	14.741	7.935					**2386.4**
1309				52.724		13.268	14.755	7.946					**2388.2**
1310				52.759		13.280	14.770	7.957					**2390.0**
1311				52.794		13.292	14.784	7.968					**2391.8**
1312				52.828		13.305	14.798	7.979					**2393.6**
1313				52.863		13.317	14.812	7.990					**2395.4**
1314				52.898		13.329	14.826	8.001					**2397.2**
1315				52.932		13.341	14.840	8.012					**2399.0**
1316				52.967		13.353	14.854	8.023					**2400.8**
1317				53.002		13.365	14.868	8.034					**2402.6**
1318				53.037		13.377	14.882	8.045					**2404.4**
1319				53.071		13.390	14.896	8.056					**2406.2**
1320				53.106		13.402	14.911	8.066					**2408.0**
1321				53.140		13.414	14.925	8.077					**2409.8**
1322				53.175		13.426	14.939	8.088					**2411.6**
1323				53.210		13.438	14.953	8.099					**2413.4**
1324				53.244		13.450	14.967	8.110					**2415.2**
1325				53.279		13.462	14.981	8.121					**2417.0**
1326				53.313		13.474	14.995	8.132					**2418.8**
1327				53.348		13.487	15.009	8.143					**2420.6**
1328				53.382		13.499	15.023	8.154					**2422.4**
1329				53.417		13.511	15.037	8.165					**2424.2**
1330				53.451		13.523	15.052	8.176					**2426.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1331				53.486		13.535	15.066	8.187					**2427.8**
1332				53.520		13.547	15.080	8.198					**2429.6**
1333				53.555		13.559	15.094	8.209					**2431.4**
1334				53.589		13.572	15.108	8.220					**2433.2**
1335				53.623		13.584	15.122	8.231					**2435.0**
1336				53.658		13.596	15.136	8.242					**2436.8**
1337				53.692		13.608	15.150	8.253					**2438.6**
1338				53.727		13.620	15.164	8.264					**2440.4**
1339				53.761		13.632	15.179	8.275					**2442.2**
1340				53.795		13.644	15.193	8.286					**2444.0**
1341				53.830		13.657	15.207	8.298					**2445.8**
1342				53.864		13.669	15.221	8.309					**2447.6**
1343				53.898		13.681	15.235	8.320					**2449.4**
1344				53.932		13.693	15.249	8.331					**2451.2**
1345				53.967		13.705	15.263	8.342					**2453.0**
1346				54.001		13.717	15.277	8.353					**2454.8**
1347				54.035		13.729	15.291	8.364					**2456.6**
1348				54.069		13.742	15.306	8.375					**2458.4**
1349				54.104		13.754	15.320	8.386					**2460.2**
1350				54.138		13.766	15.334	8.397					**2462.0**
1351				54.172		13.778	15.348	8.408					**2463.8**
1352				54.206		13.790	15.362	8.419					**2465.6**
1353				54.240		13.802	15.376	8.430					**2467.4**
1354				54.274		13.814	15.390	8.441					**2469.2**
1355				54.308		13.826	15.404	8.453					**2471.0**
1356				54.343		13.839	15.419	8.464					**2472.8**
1357				54.377		13.851	15.433	8.475					**2474.6**
1358				54.411		13.863	15.447	8.486					**2476.4**
1359				54.445		13.875	15.461	8.497					**2478.2**
1360				54.479		13.887	15.475	8.508					**2480.0**
1361				54.513		13.899	15.489	8.519					**2481.8**
1362				54.547		13.911	15.503	8.530					**2483.6**
1363				54.581		13.924	15.517	8.542					**2485.4**
1364				54.615		13.936	15.531	8.553					**2487.2**
1365				54.649		13.948	15.546	8.564					**2489.0**
1366				54.683		13.960	15.560	8.575					**2490.8**
1367				54.717		13.972	15.574	8.586					**2492.6**
1368				54.751		13.984	15.588	8.597					**2494.4**
1369				54.785		13.996	15.602	8.608					**2496.2**
1370				54.819		14.009	15.616	8.620					**2498.0**
1371				54.852		14.021	15.630	8.631					**2499.8**
1372				54.886		14.033	15.645	8.642					**2501.6**
1373						14.045	15.659	8.653					**2503.4**
1374						14.057	15.673	8.664					**2505.2**
1375						14.069	15.687	8.675					**2507.0**
1376						14.081	15.701	8.687					**2508.8**
1377						14.094	15.715	8.698					**2510.6**
1378						14.106	15.729	8.709					**2512.4**
1379						14.118	15.743	8.720					**2514.2**
1380						14.130	15.758	8.731					**2516.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1381						14.142	15.772	8.743					**2517.8**
1382						14.154	15.786	8.754					**2519.6**
1383						14.166	15.800	8.765					**2521.4**
1384						14.178	15.814	8.776					**2523.2**
1385						14.191	15.828	8.787					**2525.0**
1386						14.203	15.842	8.799					**2526.8**
1387						14.215	15.856	8.810					**2528.6**
1388						14.227	15.871	8.821					**2530.4**
1389						14.239	15.885	8.832					**2532.2**
1390						14.251	15.899	8.844					**2534.0**
1391						14.263	15.913	8.855					**2535.8**
1392						14.276	15.927	8.866					**2537.6**
1393						14.288	15.941	8.877					**2539.4**
1394						14.300	15.955	8.889					**2541.2**
1395						14.312	15.969	8.900					**2543.0**
1396						14.324	15.984	8.911					**2544.8**
1397						14.336	15.998	8.922					**2546.6**
1398						14.348	16.012	8.934					**2548.4**
1399						14.360	16.026	8.945					**2550.2**
1400						14.373	16.040	8.956					**2552.0**
1401						14.385	16.054	8.967					**2553.8**
1402						14.397	16.068	8.979					**2555.6**
1403						14.409	16.082	8.990					**2557.4**
1404						14.421	16.097	9.001					**2559.2**
1405						14.433	16.111	9.013					**2561.0**
1406						14.445	16.125	9.024					**2562.8**
1407						14.457	16.139	9.035					**2564.6**
1408						14.470	16.153	9.047					**2566.4**
1409						14.482	16.167	9.058					**2568.2**
1410						14.494	16.181	9.069					**2570.0**
1411						14.506	16.196	9.080					**2571.8**
1412						14.518	16.210	9.092					**2573.6**
1413						14.530	16.224	9.103					**2575.4**
1414						14.542	16.238	9.114					**2577.2**
1415						14.554	16.252	9.126					**2579.0**
1416						14.567	16.266	9.137					**2580.8**
1417						14.579	16.280	9.148					**2582.6**
1418						14.591	16.294	9.160					**2584.4**
1419						14.603	16.309	9.171					**2586.2**
1420						14.615	16.323	9.182					**2588.0**
1421						14.627	16.337	9.194					**2589.8**
1422						14.639	16.351	9.205					**2591.6**
1423						14.651	16.365	9.216					**2593.4**
1424						14.664	16.379	9.228					**2595.2**
1425						14.676	16.393	9.239					**2597.0**
1426						14.688	16.407	9.251					**2598.8**
1427						14.700	16.422	9.262					**2600.6**
1428						14.712	16.436	9.273					**2602.4**
1429						14.724	16.450	9.285					**2604.2**
1430						14.736	16.464	9.296					**2606.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1431						14.748	16.478	9.307					**2607.8**
1432						14.760	16.492	9.319					**2609.6**
1433						14.773	16.506	9.330					**2611.4**
1434						14.785	16.520	9.342					**2613.2**
1435						14.797	16.534	9.353					**2615.0**
1436						14.809	16.549	9.364					**2616.8**
1437						14.821	16.563	9.376					**2618.6**
1438						14.833	16.577	9.387					**2620.4**
1439						14.845	16.591	9.398					**2622.2**
1440						14.857	16.605	9.410					**2624.0**
1441						14.869	16.619	9.421					**2625.8**
1442						14.881	16.633	9.433					**2627.6**
1443						14.894	16.647	9.444					**2629.4**
1444						14.906	16.662	9.456					**2631.2**
1445						14.918	16.676	9.467					**2633.0**
1446						14.930	16.690	9.478					**2634.8**
1447						14.942	16.704	9.490					**2636.6**
1448						14.954	16.718	9.501					**2638.4**
1449						14.966	16.732	9.513					**2640.2**
1450						14.978	16.746	9.524					**2642.0**
1451						14.990	16.760	9.536					**2643.8**
1452						15.002	16.774	9.547					**2645.6**
1453						15.015	16.789	9.558					**2647.4**
1454						15.027	16.803	9.570					**2649.2**
1455						15.039	16.817	9.581					**2651.0**
1456						15.051	16.831	9.593					**2652.8**
1457						15.063	16.845	9.604					**2654.6**
1458						15.075	16.859	9.616					**2656.4**
1459						15.087	16.873	9.627					**2658.2**
1460						15.099	16.887	9.639					**2660.0**
1461						15.111	16.901	9.650					**2661.8**
1462						15.123	16.915	9.662					**2663.6**
1463						15.135	16.930	9.673					**2665.4**
1464						15.148	16.944	9.684					**2667.2**
1465						15.160	16.958	9.696					**2669.0**
1466						15.172	16.972	9.707					**2670.8**
1467						15.184	16.986	9.719					**2672.6**
1468						15.196	17.000	9.730					**2674.4**
1469						15.208	17.014	9.742					**2676.2**
1470						15.220	17.028	9.753					**2678.0**
1471						15.232	17.042	9.765					**2679.8**
1472						15.244	17.056	9.776					**2681.6**
1473						15.256	17.071	9.788					**2683.4**
1474						15.268	17.085	9.799					**2685.2**
1475						15.280	17.099	9.811					**2687.0**
1476						15.292	17.113	9.822					**2688.8**
1477						15.304	17.127	9.834					**2690.6**
1478						15.317	17.141	9.845					**2692.4**
1479						15.329	17.155	9.857					**2694.2**
1480						15.341	17.169	9.868					**2696.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1481						15.353	17.183	9.880					**2697.8**
1482						15.365	17.197	9.891					**2699.6**
1483						15.377	17.211	9.903					**2701.4**
1484						15.389	17.225	9.914					**2703.2**
1485						15.401	17.240	9.926					**2705.0**
1486						15.413	17.254	9.937					**2706.8**
1487						15.425	17.268	9.949					**2708.6**
1488						15.437	17.282	9.961					**2710.4**
1489						15.449	17.296	9.972					**2712.2**
1490						15.461	17.310	9.984					**2714.0**
1491						15.473	17.324	9.995					**2715.8**
1492						15.485	17.338	10.007					**2717.6**
1493						15.497	17.352	10.018					**2719.4**
1494						15.509	17.366	10.030					**2721.2**
1495						15.521	17.380	10.041					**2723.0**
1496						15.534	17.394	10.053					**2724.8**
1497						15.546	17.408	10.064					**2726.6**
1498						15.558	17.423	10.076					**2728.4**
1499						15.570	17.437	10.088					**2730.2**
1500						15.582	17.451	10.099					**2732.0**
1501						15.594	17.465	10.111					**2733.8**
1502						15.606	17.479	10.122					**2735.6**
1503						15.618	17.493	10.134					**2737.4**
1504						15.630	17.507	10.145					**2739.2**
1505						15.642	17.521	10.157					**2741.0**
1506						15.654	17.535	10.168					**2742.8**
1507						15.666	17.549	10.180					**2744.6**
1508						15.678	17.563	10.192					**2746.4**
1509						15.690	17.577	10.203					**2748.2**
1510						15.702	17.591	10.215					**2750.0**
1511						15.714	17.605	10.226					**2751.8**
1512						15.726	17.619	10.238					**2753.6**
1513						15.738	17.633	10.249					**2755.4**
1514						15.750	17.647	10.261					**2757.2**
1515						15.762	17.661	10.273					**2759.0**
1516						15.774	17.676	10.284					**2760.8**
1517						15.786	17.690	10.296					**2762.6**
1518						15.798	17.704	10.307					**2764.4**
1519						15.810	17.718	10.319					**2766.2**
1520						15.822	17.732	10.331					**2768.0**
1521						15.834	17.746	10.342					**2769.8**
1522						15.846	17.760	10.354					**2771.6**
1523						15.858	17.774	10.365					**2773.4**
1524						15.870	17.788	10.377					**2775.2**
1525						15.882	17.802	10.389					**2777.0**
1526						15.894	17.816	10.400					**2778.8**
1527						15.906	17.830	10.412					**2780.6**
1528						15.918	17.844	10.423					**2782.4**
1529						15.930	17.858	10.435					**2784.2**
1530						15.942	17.872	10.447					**2786.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1531						15.954	17.886	10.458					**2787.8**
1532						15.966	17.900	10.470					**2789.6**
1533						15.978	17.914	10.482					**2791.4**
1534						15.990	17.928	10.493					**2793.2**
1535						16.002	17.942	10.505					**2795.0**
1536						16.014	17.956	10.516					**2796.8**
1537						16.026	17.970	10.528					**2798.6**
1538						16.038	17.984	10.540					**2800.4**
1539						16.050	17.998	10.551					**2802.2**
1540						16.062	18.012	10.563					**2804.0**
1541						16.074	18.026	10.575					**2805.8**
1542						16.086	18.040	10.586					**2807.6**
1543						16.098	18.054	10.598					**2809.4**
1544						16.110	18.068	10.609					**2811.2**
1545						16.122	18.082	10.621					**2813.0**
1546						16.134	18.096	10.633					**2814.8**
1547						16.146	18.110	10.644					**2816.6**
1548						16.158	18.124	10.656					**2818.4**
1549						16.170	18.138	10.668					**2820.2**
1550						16.182	18.152	10.679					**2822.0**
1551						16.194	18.166	10.691					**2823.8**
1552						16.205	18.180	10.703					**2825.6**
1553						16.217	18.194	10.714					**2827.4**
1554						16.229	18.208	10.726					**2829.2**
1555						16.241	18.222	10.738					**2831.0**
1556						16.253	18.236	10.749					**2832.8**
1557						16.265	18.250	10.761					**2834.6**
1558						16.277	18.264	10.773					**2836.4**
1559						16.289	18.278	10.784					**2838.2**
1560						16.301	18.292	10.796					**2840.0**
1561						16.313	18.306	10.808					**2841.8**
1562						16.325	18.320	10.819					**2843.6**
1563						16.337	18.334	10.831					**2845.4**
1564						16.349	18.348	10.843					**2847.2**
1565						16.361	18.362	10.854					**2849.0**
1566						16.373	18.376	10.866					**2850.8**
1567						16.385	18.390	10.877					**2852.6**
1568						16.396	18.404	10.889					**2854.4**
1569						16.408	18.417	10.901					**2856.2**
1570						16.420	18.431	10.913					**2858.0**
1571						16.432	18.445	10.924					**2859.8**
1572						16.444	18.459	10.936					**2861.6**
1573						16.456	18.473	10.948					**2863.4**
1574						16.468	18.487	10.959					**2865.2**
1575						16.480	18.501	10.971					**2867.0**
1576						16.492	18.515	10.983					**2868.8**
1577						16.504	18.529	10.994					**2870.6**
1578						16.516	18.543	11.006					**2872.4**
1579						16.527	18.557	11.018					**2874.2**
1580						16.539	18.571	11.029					**2876.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1581						16.551	18.585	11.041					**2877.8**
1582						16.563	18.599	11.053					**2879.6**
1583						16.575	18.613	11.064					**2881.4**
1584						16.587	18.627	11.076					**2883.2**
1585						16.599	18.640	11.088					**2885.0**
1586						16.611	18.654	11.099					**2886.8**
1587						16.623	18.668	11.111					**2888.6**
1588						16.634	18.682	11.123					**2890.4**
1589						16.646	18.696	11.134					**2892.2**
1590						16.658	18.710	11.146					**2894.0**
1591						16.670	18.724	11.158					**2895.8**
1592						16.682	18.738	11.169					**2897.6**
1593						16.694	18.752	11.181					**2899.4**
1594						16.706	18.766	11.193					**2901.2**
1595						16.718	18.779	11.205					**2903.0**
1596						16.729	18.793	11.216					**2904.8**
1597						16.741	18.807	11.228					**2906.6**
1598						16.753	18.821	11.240					**2908.4**
1599						16.765	18.835	11.251					**2910.2**
1600						16.777	18.849	11.263					**2912.0**
1601						16.789	18.863	11.275					**2913.8**
1602						16.801	18.877	11.286					**2915.6**
1603						16.812	18.891	11.298					**2917.4**
1604						16.824	18.904	11.310					**2919.2**
1605						16.836	18.918	11.321					**2921.0**
1606						16.848	18.932	11.333					**2922.8**
1607						16.860	18.946	11.345					**2924.6**
1608						16.872	18.960	11.357					**2926.4**
1609						16.883	18.974	11.368					**2928.2**
1610						16.895	18.988	11.380					**2930.0**
1611						16.907	19.002	11.392					**2931.8**
1612						16.919	19.015	11.403					**2933.6**
1613						16.931	19.029	11.415					**2935.4**
1614						16.943	19.043	11.427					**2937.2**
1615						16.954	19.057	11.438					**2939.0**
1616						16.966	19.071	11.450					**2940.8**
1617						16.978	19.085	11.462					**2942.6**
1618						16.990	19.098	11.474					**2944.4**
1619						17.002	19.112	11.485					**2946.2**
1620						17.013	19.126	11.497					**2948.0**
1621						17.025	19.140	11.509					**2949.8**
1622						17.037	19.154	11.520					**2951.6**
1623						17.049	19.168	11.532					**2953.4**
1624						17.061	19.181	11.544					**2955.2**
1625						17.072	19.195	11.555					**2957.0**
1626						17.084	19.209	11.567					**2958.8**
1627						17.096	19.223	11.579					**2960.6**
1628						17.108	19.237	11.591					**2962.4**
1629						17.120	19.250	11.602					**2964.2**
1630						17.131	19.264	11.614					**2966.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1631						17.143	19.278	11.626					**2967.8**
1632						17.155	19.292	11.637					**2969.6**
1633						17.167	19.306	11.649					**2971.4**
1634						17.178	19.319	11.661					**2973.2**
1635						17.190	19.333	11.673					**2975.0**
1636						17.202	19.347	11.684					**2976.8**
1637						17.214	19.361	11.696					**2978.6**
1638						17.225	19.375	11.708					**2980.4**
1639						17.237	19.388	11.719					**2982.2**
1640						17.249	19.402	11.731					**2984.0**
1641						17.261	19.416	11.743					**2985.8**
1642						17.272	19.430	11.754					**2987.6**
1643						17.284	19.444	11.766					**2989.4**
1644						17.296	19.457	11.778					**2991.2**
1645						17.308	19.471	11.790					**2993.0**
1646						17.319	19.485	11.801					**2994.8**
1647						17.331	19.499	11.813					**2996.6**
1648						17.343	19.512	11.825					**2998.4**
1649						17.355	19.526	11.836					**3000.2**
1650						17.366	19.540	11.848					**3002.0**
1651						17.378	19.554	11.860					**3003.8**
1652						17.390	19.567	11.871					**3005.6**
1653						17.401	19.581	11.883					**3007.4**
1654						17.413	19.595	11.895					**3009.2**
1655						17.425	19.609	11.907					**3011.0**
1656						17.437	19.622	11.918					**3012.8**
1657						17.448	19.636	11.930					**3014.6**
1658						17.460	19.650	11.942					**3016.4**
1659						17.472	19.663	11.953					**3018.2**
1660						17.483	19.677	11.965					**3020.0**
1661						17.495	19.691	11.977					**3021.8**
1662						17.507	19.705	11.988					**3023.6**
1663						17.518	19.718	12.000					**3025.4**
1664						17.530	19.732	12.012					**3027.2**
1665						17.542	19.746	12.024					**3029.0**
1666						17.553	19.759	12.035					**3030.8**
1667						17.565	19.773	12.047					**3032.6**
1668						17.577	19.787	12.059					**3034.4**
1669						17.588	19.800	12.070					**3036.2**
1670						17.600	19.814	12.082					**3038.0**
1671						17.612	19.828	12.094					**3039.8**
1672						17.623	19.841	12.105					**3041.6**
1673						17.635	19.855	12.117					**3043.4**
1674						17.647	19.869	12.129					**3045.2**
1675						17.658	19.882	12.141					**3047.0**
1676						17.670	19.896	12.152					**3048.8**
1677						17.682	19.910	12.164					**3050.6**
1678						17.693	19.923	12.176					**3052.4**
1679						17.705	19.937	12.187					**3054.2**
1680						17.717	19.951	12.199					**3056.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1681						17.728	19.964	12.211					**3057.8**
1682						17.740	19.978	12.222					**3059.6**
1683						17.751	19.992	12.234					**3061.4**
1684						17.763	20.005	12.246					**3063.2**
1685						17.775	20.019	12.257					**3065.0**
1686						17.786	20.032	12.269					**3066.8**
1687						17.798	20.046	12.281					**3068.6**
1688						17.809	20.060	12.292					**3070.4**
1689						17.821	20.073	12.304					**3072.2**
1690						17.832	20.087	12.316					**3074.0**
1691						17.844	20.100	12.327					**3075.8**
1692						17.855	20.114	12.339					**3077.6**
1693						17.867	20.127	12.351					**3079.4**
1694						17.878	20.141	12.363					**3081.2**
1695						17.890	20.154	12.374					**3083.0**
1696						17.901	20.168	12.386					**3084.8**
1697						17.913	20.181	12.398					**3086.6**
1698						17.924	20.195	12.409					**3088.4**
1699						17.936	20.208	12.421					**3090.2**
1700						17.947	20.222	12.433					**3092.0**
1701						17.959	20.235	12.444					**3093.8**
1702						17.970	20.249	12.456					**3095.6**
1703						17.982	20.262	12.468					**3097.4**
1704						17.993	20.275	12.479					**3099.2**
1705						18.004	20.289	12.491					**3101.0**
1706						18.016	20.302	12.503					**3102.8**
1707						18.027	20.316	12.514					**3104.6**
1708						18.039	20.329	12.526					**3106.4**
1709						18.050	20.342	12.538					**3108.2**
1710						18.061	20.356	12.549					**3110.0**
1711						18.073	20.369	12.561					**3111.8**
1712						18.084	20.382	12.572					**3113.6**
1713						18.095	20.396	12.584					**3115.4**
1714						18.107	20.409	12.596					**3117.2**
1715						18.118	20.422	12.607					**3119.0**
1716						18.129	20.436	12.619					**3120.8**
1717						18.140	20.449	12.631					**3122.6**
1718						18.152	20.462	12.642					**3124.4**
1719						18.163	20.475	12.654					**3126.2**
1720						18.174	20.488	12.666					**3128.0**
1721						18.185	20.502	12.677					**3129.8**
1722						18.196	20.515	12.689					**3131.6**
1723						18.208	20.528	12.701					**3133.4**
1724						18.219	20.541	12.712					**3135.2**
1725						18.230	20.554	12.724					**3137.0**
1726						18.241	20.567	12.736					**3138.8**
1727						18.252	20.581	12.747					**3140.6**
1728						18.263	20.594	12.759					**3142.4**
1729						18.274	20.607	12.770					**3144.2**
1730						18.285	20.620	12.782					**3146.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1731						18.297	20.633	12.794					**3147.8**
1732						18.308	20.646	12.805					**3149.6**
1733						18.319	20.659	12.817					**3151.4**
1734						18.330	20.672	12.829					**3153.2**
1735						18.341	20.685	12.840					**3155.0**
1736						18.352	20.698	12.852					**3156.8**
1737						18.362	20.711	12.863					**3158.6**
1738						18.373	20.724	12.875					**3160.4**
1739						18.384	20.736	12.887					**3162.2**
1740						18.395	20.749	12.898					**3164.0**
1741						18.406	20.762	12.910					**3165.8**
1742						18.417	20.775	12.921					**3167.6**
1743						18.428	20.788	12.933					**3169.4**
1744						18.439	20.801	12.945					**3171.2**
1745						18.449	20.813	12.956					**3173.0**
1746						18.460	20.826	12.968					**3174.8**
1747						18.471	20.839	12.980					**3176.6**
1748						18.482	20.852	12.991					**3178.4**
1749						18.493	20.864	13.003					**3180.2**
1750						18.503	20.877	13.014					**3182.0**
1751						18.514	20.890	13.026					**3183.8**
1752						18.525	20.902	13.037					**3185.6**
1753						18.535	20.915	13.049					**3187.4**
1754						18.546	20.928	13.061					**3189.2**
1755						18.557	20.940	13.072					**3191.0**
1756						18.567	20.953	13.084					**3192.8**
1757						18.578	20.965	13.095					**3194.6**
1758						18.588	20.978	13.107					**3196.4**
1759						18.599	20.990	13.119					**3198.2**
1760						18.609	21.003	13.130					**3200.0**
1761						18.620	21.015	13.142					**3201.8**
1762						18.630	21.027	13.153					**3203.6**
1763						18.641	21.040	13.165					**3205.4**
1764						18.651	21.052	13.176					**3207.2**
1765						18.661	21.065	13.188					**3209.0**
1766						18.672	21.077	13.200					**3210.8**
1767						18.682	21.089	13.211					**3212.6**
1768						18.693	21.101	13.223					**3214.4**
1769								13.234					**3216.2**
1770								13.246					**3218.0**
1771								13.257					**3219.8**
1772								13.269					**3221.6**
1773								13.280					**3223.4**
1774								13.292					**3225.2**
1775								13.304					**3227.0**
1776								13.315					**3228.8**
1777								13.327					**3230.6**
1778								13.338					**3232.4**
1779								13.350					**3234.2**
1780								13.361					**3236.0**

°C t90	Type T Cu-CuNi mV	Type E NiCr-CuNi mV	Type J Fe-CuNi mV	Type K NiCr-Ni mV	Type N NiCrSi-NiSi mV	Type S Pt10Rh-Pt mV	Type R Pt13Rh-Pt mV	Type B Pt30Rh-Pt6Rh mV	Type U Cu-CuNi mV	Type L Fe-CuNi mV	Pt100 Ω	Ni100 Ω	°F t90
1781								13.373					**3237.8**
1782								13.384					**3239.6**
1783								13.396					**3241.4**
1784								13.407					**3243.2**
1785								13.419					**3245.0**
1786								13.430					**3246.8**
1787								13.442					**3248.6**
1788								13.453					**3250.4**
1789								13.465					**3252.2**
1790								13.476					**3254.0**
1791								13.488					**3255.8**
1792								13.499					**3257.6**
1793								13.511					**3259.4**
1794								13.522					**3261.2**
1795								13.534					**3263.0**
1796								13.545					**3264.8**
1797								13.557					**3266.6**
1798								13.568					**3268.4**
1799								13.580					**3270.2**
1800								13.591					**3272.0**
1801								13.603					**3273.8**
1802								13.614					**3275.6**
1803								13.626					**3277.4**
1804								13.637					**3279.2**
1805								13.649					**3281.0**
1806								13.660					**3282.8**
1807								13.672					**3284.6**
1808								13.683					**3286.4**
1809								13.694					**3288.2**
1810								13.706					**3290.0**
1811								13.717					**3291.8**
1812								13.729					**3293.6**
1813								13.740					**3295.4**
1814								13.752					**3297.2**
1815								13.763					**3299.0**
1816								13.775					**3300.8**
1817								13.786					**3302.6**
1818								13.797					**3304.4**
1819								13.809					**3306.2**
1820								13.820					**3308.0**

The most important methods for measuring temperature and their basic principles are described.

Numerous practical details provide the user with valuable information about temperature measurement in industrial applications.

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