

Temperature Conversion Tables - Type N

Nicrosil vs Nisil (0°C to 1300°C)

EMF in millivolts - Reference Junction 0°C

°C	0	1	2	3	4	5	6	7	8	9	10	°C
0	0.000	0.026	0.052	0.078	0.104	0.130	0.156	0.182	0.208	0.234	0.261	0
10	0.261	0.287	0.313	0.340	0.366	0.392	0.419	0.445	0.472	0.498	0.525	10
20	0.525	0.551	0.578	0.605	0.632	0.658	0.685	0.712	0.739	0.766	0.793	20
30	0.793	0.820	0.847	0.874	0.901	0.928	0.955	0.982	1.010	1.037	1.064	30
40	1.064	1.092	1.119	1.146	1.174	1.201	1.229	1.256	1.284	1.312	1.339	40
50	1.339	1.367	1.395	1.423	1.451	1.479	1.506	1.534	1.562	1.591	1.619	50
60	1.619	1.647	1.675	1.703	1.731	1.760	1.788	1.816	1.845	1.873	1.902	60
70	1.902	1.930	1.959	1.987	2.016	2.045	2.073	2.102	2.131	2.160	2.188	70
80	2.188	2.217	2.246	2.275	2.304	2.333	2.362	2.392	2.421	2.450	2.479	80
90	2.479	2.508	2.538	2.567	2.596	2.626	2.655	2.685	2.714	2.744	2.774	90
100	2.774	2.803	2.833	2.863	2.892	2.922	2.952	2.982	3.012	3.042	3.072	100
110	3.072	3.102	3.132	3.162	3.192	3.222	3.252	3.283	3.313	3.343	3.374	110
120	3.374	3.404	3.434	3.465	3.495	3.526	3.557	3.587	3.618	3.648	3.679	120
130	3.679	3.710	3.741	3.772	3.802	3.833	3.864	3.895	3.926	3.957	3.988	130
140	3.988	4.019	4.050	4.082	4.113	4.144	4.175	4.207	4.238	4.269	4.301	140
150	4.301	4.332	4.364	4.395	4.427	4.458	4.490	4.521	4.553	4.585	4.617	150
160	4.617	4.648	4.680	4.712	4.744	4.776	4.808	4.840	4.872	4.904	4.936	160
170	4.936	4.968	5.000	5.032	5.064	5.097	5.129	5.161	5.193	0.365	5.258	170
180	5.258	5.290	5.323	5.355	5.388	5.420	5.453	5.486	5.518	5.551	5.584	180
190	5.584	5.616	5.649	5.682	5.715	5.747	5.780	5.813	5.846	5.879	5.912	190
200	5.912	5.945	5.978	6.011	6.044	6.077	6.110	6.144	6.177	6.210	6.243	200
210	6.243	6.277	6.310	6.343	6.377	6.410	6.443	6.477	6.510	6.544	6.577	210
220	6.577	6.611	6.645	6.678	6.712	6.745	6.779	6.813	6.847	6.880	6.914	220
230	6.914	6.948	6.982	7.016	7.050	7.084	7.118	7.152	7.186	7.220	7.254	230
240	7.254	7.288	7.322	7.356	7.390	7.424	7.458	7.493	7.527	7.561	7.596	240
250	7.596	7.630	7.664	7.699	7.733	7.767	7.802	7.836	7.871	7.905	7.940	250
260	7.940	7.975	8.009	8.044	8.078	8.113	8.148	8.182	8.217	8.252	8.287	260
270	8.287	8.321	8.356	8.391	8.426	8.461	8.496	8.531	8.566	8.601	8.636	270
280	8.636	8.671	8.706	8.741	8.776	8.811	8.846	8.881	8.916	8.952	8.987	280
290	8.987	9.022	9.057	9.093	9.128	9.163	9.198	9.234	9.269	9.305	9.340	290
300	9.340	9.375	9.411	9.446	9.482	9.517	9.553	9.589	9.624	9.660	9.695	300
310	9.695	9.731	9.767	9.802	9.838	9.874	9.909	9.945	9.981	10.017	10.053	310
320	10.053	10.088	10.124	10.160	10.196	10.232	10.268	10.304	10.340	10.376	10.412	320
330	10.412	10.448	10.484	10.520	10.556	10.592	10.628	10.664	10.700	10.736	10.772	330
340	10.772	10.809	10.845	10.881	10.917	10.954	10.990	11.026	11.062	11.099	11.135	340
350	11.135	11.171	11.208	11.244	11.281	11.317	11.354	11.390	11.426	11.463	11.499	350
360	11.499	11.536	11.572	11.609	11.646	11.682	11.719	11.755	11.792	11.829	11.865	360
370	11.865	11.902	11.939	11.975	12.012	12.049	12.086	12.122	12.159	12.196	12.233	370
380	12.233	12.270	12.306	12.343	12.380	12.417	12.454	12.491	12.528	12.565	12.602	380
390	12.602	12.639	12.676	12.713	12.750	12.787	12.824	12.861	12.898	12.935	12.972	390
400	12.972	13.009	13.046	13.084	13.121	13.158	13.195	13.232	13.269	13.307	13.344	400
410	13.344	13.381	13.418	13.456	13.493	13.530	13.568	13.605	13.642	13.680	13.717	410
420	13.717	13.754	13.792	13.829	13.867	13.904	13.942	13.979	14.017	14.054	14.091	420
430	14.091	14.129	14.167	14.204	14.242	14.279	14.317	14.354	14.392	14.430	14.467	430
440	14.467	14.505	14.542	14.580	14.618	14.655	14.693	14.731	14.769	14.806	14.844	440
450	14.844	14.882	14.919	14.957	14.995	15.033	15.071	15.108	15.146	15.184	15.222	450
460	15.222	15.260	15.298	15.336	15.373	15.411	15.449	15.487	15.525	15.563	15.601	460
470	15.601	15.639	15.677	15.715	15.753	15.791	15.829	15.867	15.905	15.943	15.981	470
480	15.981	16.019	16.057	16.095	16.133	16.172	16.210	16.248	16.286	16.324	16.362	480
490	16.362	16.400	16.439	16.477	16.515	16.553	16.591	16.630	16.668	16.706	16.744	490
500	16.744	16.783	16.821	16.859	16.897	16.936	16.974	17.012	17.051	17.089	17.127	500
510	17.127	17.166	17.204	17.243	17.281	17.319	17.358	17.396	17.434	17.473	17.511	510
520	17.511	17.550	17.588	17.627	17.665	17.704	17.742	17.781	17.819	17.858	17.896	520
530	17.896	17.935	17.973	18.012	18.050	18.089	18.127	18.166	18.204	18.243	18.282	530
540	18.282	18.320	18.359	18.397	18.436	18.475	18.513	18.552	18.591	18.629	18.668	540
550	18.668	18.707	18.745	18.784	18.823	18.861	18.900	18.939	18.977	19.016	19.055	550
560	19.055	19.094	19.132	19.171	19.210	19.249	19.287	19.326	19.365	19.404	19.443	560
570	19.443	19.481	19.520	19.559	19.598	19.637	19.676	19.714	19.753	19.792	19.831	570
580	19.831	19.870	19.909	19.948	19.986	20.025	20.064	20.103	20.142	20.181	20.220	580
590	20.220	20.259	20.298	20.337	20.376	20.415	20.453	20.492	20.531	20.570	20.609	590
600	20.609	20.648	20.687	20.726	20.765	20.804	20.843	20.882	20.921	20.960	20.999	600
610	20.999	21.038	21.077	21.116	21.155	21.195	21.234	21.273	21.312	21.351	21.390	610
620	21.390	21.429	21.468	21.507	21.546	21.585	21.624	21.663	21.702	21.742	21.781	620
630	21.781	21.820	21.859	21.898	21.937	21.976	22.015	22.055	22.094	22.133	22.172	630
640	22.172	22.211	22.250	22.289	22.329	22.368	22.407	22.446	22.485	22.524	22.564	640
650	22.564	22.603	22.642	22.681	22.720	22.760	22.799	22.838	22.877	22.916	22.956	650
660	22.956	22.995	23.034	23.073	23.112	23.152	23.191	23.230	23.269	23.309	23.348	660
670	23.348	23.387	23.426	23.466	23.505	23.544	23.583	23.623	23.662	23.701	23.740	670
680	23.740	23.780	23.819	23.858	23.897	23.937	23.976	24.015	24.054	24.094	24.133	680
690	24.133	24.172	24.212	24.251	24.290	24.329	24.369	24.408	24.447	24.487	24.526	690

