

ITS – 90 Table for N- Type Thermocouple (Reference Junction at 0 °C)

- Thermoelectric voltage in mV for 5 °C Temperature steps

°C	0	5	10	15	20	25	30	35	40	45
-300							-4.345	-4.342	-4.336	-4.326
-250	-4.313	-4.297	-4.277	-4.254	-4.226	-4.196	-4.162	-4.124	-4.083	-4.038
-200	-3.990	-3.939	-3.884	-3.827	-3.766	-3.702	-3.634	-3.564	-3.491	-3.415
-150	-3.336	-3.255	-3.171	-3.084	-2.994	-2.902	-2.808	-2.711	-2.612	-2.510
-100	-2.407	-2.301	-2.193	-2.084	-1.972	-1.859	-1.744	-1.627	-1.509	-1.390
-50	-1.269	-1.146	-1.023	-0.898	-0.772	-0.646	-0.518	-0.390	-0.260	-0.131
0	0.000	0.130	0.261	0.393	0.525	0.659	0.793	0.928	1.065	1.202
50	1.340	1.479	1.619	1.760	1.902	2.045	2.189	2.334	2.480	2.626
100	2.774	2.923	3.072	3.223	3.374	3.527	3.680	3.834	3.989	4.145
150	4.302	4.459	4.618	4.777	4.937	5.098	5.259	5.422	5.585	5.749
200	5.913	6.079	6.245	6.411	6.579	6.747	6.916	7.085	7.255	7.426
250	7.597	7.769	7.941	8.114	8.288	8.462	8.637	8.812	8.988	9.164
300	9.341	9.519	9.696	9.875	10.054	10.233	10.413	10.593	10.774	10.955
350	11.136	11.318	11.501	11.683	11.867	12.050	12.234	12.418	12.603	12.788
400	12.974	13.159	13.346	13.532	13.719	13.906	14.094	14.281	14.469	14.658
450	14.846	15.035	15.225	15.414	15.604	15.794	15.984	16.175	16.366	16.557
500	16.748	16.939	17.131	17.323	17.515	17.707	17.900	18.093	18.286	18.479
550	18.672	18.865	19.059	19.253	19.447	19.641	19.835	20.029	20.224	20.418
600	20.613	20.808	21.003	21.198	21.393	21.588	21.784	21.979	22.175	22.370
650	22.566	22.762	22.958	23.154	23.350	23.546	23.742	23.938	24.134	24.330
700	24.527	24.723	24.919	25.116	25.312	25.508	25.705	25.901	26.098	26.294
750	26.491	26.687	26.883	27.080	27.276	27.473	27.669	27.866	28.062	28.258
800	28.455	28.651	28.847	29.043	29.239	29.436	29.632	29.828	30.024	30.220
850	30.416	30.611	30.807	31.003	31.199	31.394	31.590	31.785	31.981	32.176
900	32.371	32.566	32.761	32.956	33.151	33.346	33.541	33.736	33.930	34.124
950	34.319	34.513	34.707	34.901	35.095	35.289	35.482	35.676	35.869	36.062
1000	36.256	36.449	36.641	36.834	37.027	37.219	37.411	37.603	37.795	37.987
1050	38.179	38.370	38.562	38.753	38.944	39.135	39.326	39.516	39.706	39.897
1100	40.087	40.276	40.466	40.655	40.845	41.034	41.223	41.411	41.600	41.788
1150	41.976	42.164	42.352	42.540	42.727	42.914	43.101	43.288	43.474	43.660
1200	43.846	44.032	44.218	44.403	44.588	44.773	44.958	45.142	45.326	45.510
1250	45.694	45.877	46.060	46.243	46.425	46.608	46.789	46.971	47.152	47.333
1300	47.513									

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