

**ITS – 90 Table for E- 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							-9.835	-9.821	-9.797	-9.762
-250	-9.718	-9.666	-9.604	-9.534	-9.455	-9.368	-9.274	-9.172	-9.063	-8.947
-200	-8.825	-8.696	-8.561	-8.420	-8.273	-8.121	-7.963	-7.800	-7.632	-7.458
-150	-7.279	-7.096	-6.907	-6.714	-6.516	-6.314	-6.107	-5.896	-5.681	-5.461
-100	-5.237	-5.009	-4.777	-4.542	-4.302	-4.058	-3.811	-3.561	-3.306	-3.048
-50	-2.787	-2.523	-2.255	-1.984	-1.709	-1.432	-1.152	-0.868	-0.582	-0.292
0	0.000	0.294	0.591	0.890	1.192	1.495	1.801	2.109	2.420	2.733
50	3.048	3.365	3.685	4.006	4.330	4.656	4.985	5.315	5.648	5.982
100	6.319	6.658	6.998	7.341	7.685	8.031	8.379	8.729	9.081	9.434
150	9.789	10.145	10.503	10.863	11.224	11.587	11.951	12.317	12.684	13.052
200	13.421	13.792	14.164	14.537	14.912	15.287	15.664	16.041	16.420	16.800
250	17.181	17.562	17.945	18.328	18.713	19.098	19.484	19.871	20.259	20.647
300	21.036	21.426	21.817	22.208	22.600	22.993	23.386	23.780	24.174	24.569
350	24.964	25.360	25.757	26.154	26.552	26.950	27.348	27.747	28.146	28.546
400	28.946	29.346	29.747	30.148	30.550	30.952	31.354	31.756	32.159	32.562
450	32.965	33.368	33.772	34.175	34.579	34.983	35.387	35.792	36.196	36.601
500	37.005	37.410	37.815	38.220	38.624	39.029	39.434	39.839	40.243	40.648
550	41.053	41.457	41.862	42.266	42.671	43.075	43.479	43.883	44.286	44.690
600	45.093	45.497	45.900	46.302	46.705	47.107	47.509	47.911	48.313	48.715
650	49.116	49.517	49.917	50.318	50.718	51.118	51.517	51.916	52.315	52.714
700	53.112	53.510	53.908	54.306	54.703	55.100	55.497	55.893	56.289	56.685
750	57.080	57.475	57.870	58.265	58.659	59.053	59.446	59.839	60.232	60.625
800	61.017	61.409	61.801	62.192	62.583	62.974	63.364	63.754	64.144	64.533
850	64.922	65.310	65.698	66.086	66.473	66.860	67.246	67.632	68.017	68.402
900	68.787	69.171	69.554	69.937	70.319	70.701	71.082	71.463	71.844	72.223
950	72.603	72.981	73.360	73.738	74.115	74.492	74.869	75.245	75.621	75.997
1000	76.373									

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